

# PUBLIC HEALTH REPORTS

VOL. 32

JUNE 29, 1917

No. 26

## ROCKY MOUNTAIN SPOTTED FEVER IN MONTANA.

The State Health Officer of Montana reported that fourteen cases of Rocky Mountain spotted fever were notified in the State of Montana during the month of May, 1917. The distribution of the cases by counties is shown in the table on page 1044.

## POLIOMYELITIS (INFANTILE PARALYSIS).

### PREVALENCE AND GEOGRAPHIC DISTRIBUTION DURING 1916.

The year 1916 was one characterized by an unusual prevalence of poliomyelitis (infantile paralysis) throughout the United States. In many localities the disease became epidemic. Poliomyelitis has been with us for several decades, occasional cases being reported here and there throughout the country during all months of the year. There have usually been more cases in the summer than in the winter months.

The principal epidemic area last year comprised northern New Jersey, southeastern New York, and most of Connecticut, Massachusetts, and Rhode Island. Special interest in the disease was aroused about the 1st of July by its unusual prevalence in New York City.

The New York City epidemic began about the middle of June. Early in July increasing numbers of cases were being reported in Newark and Jersey City, N. J., and neighboring communities. By July 15 the disease was on the increase in Philadelphia, Pa.; Bridgeport, Conn.; Camden, N. J.; and Toledo, Ohio. By the 1st of August cases were being reported in Baltimore, Md.; Boston, Mass.; Chicago, Ill.; St. Paul and Minneapolis, Minn.; Providence, R. I.; Syracuse, N. Y.; and Trenton, N. J. The disease was at its height in July, August, and September. In December, after the disease had subsided elsewhere, an outbreak developed in the northeastern part of West Virginia with foci at Elkins, Grafton, and Fairmont.

The localities which were particularly invaded during 1916 are shown on the map below. Billings, Mont., which is not on the map, also had a considerable outbreak in proportion to its population.

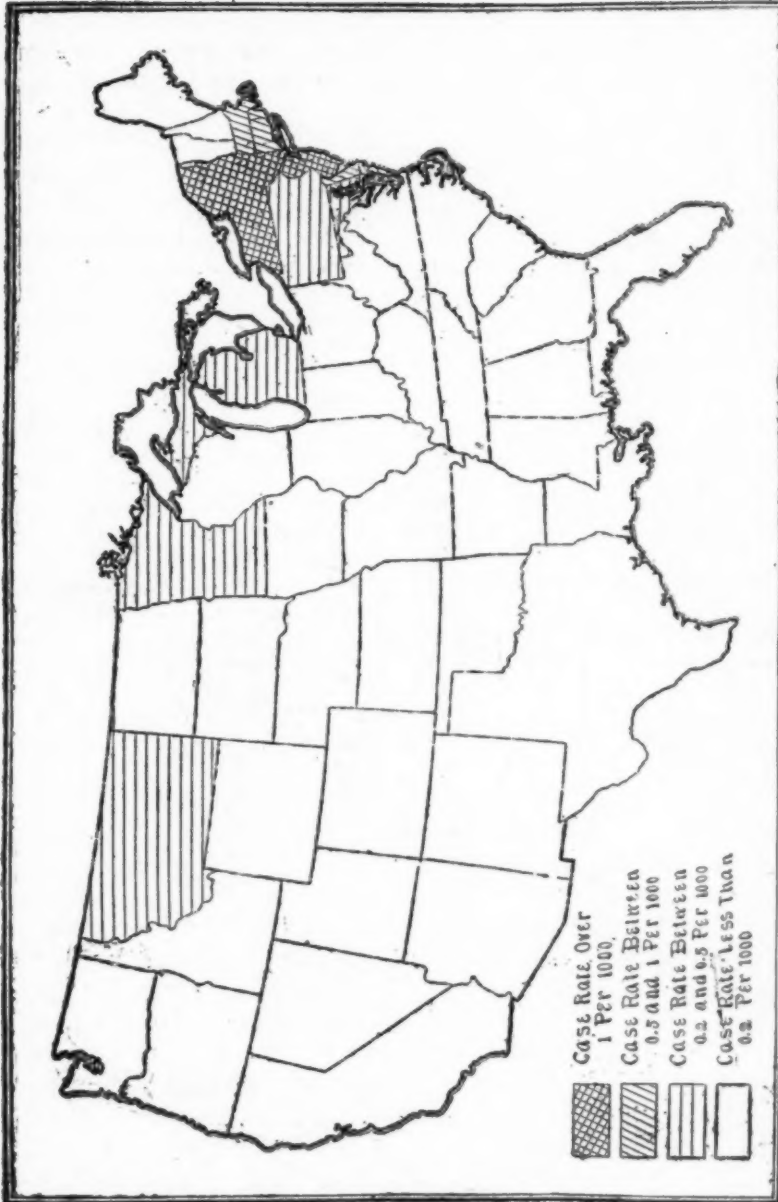
The table on page 1017 shows the number of cases reported monthly by States. It will be noted that a greater number of cases was reported during the first four months of the year in Virginia than in any other State. In a few of the States there was an increase in the occurrence of the disease during May and June but in most of the States the distinct increase began in July, and in Maine and Vermont not until August. The highest reported case rate for the year was in New Jersey, where there was a rate of 1.376 per thousand population. The next highest rate was that of New York State with



Shaded areas show localities particularly involved in the poliomyelitis epidemic of 1916.

a rate of a little under 1.3 per thousand population. Connecticut came next with a reported rate of 0.764 and Massachusetts with a rate of 0.518. Rhode Island was about as heavily infected as Connecticut and Massachusetts. Maryland, Michigan, Minnesota, Montana, and Pennsylvania had reported case rates of between 0.2 and 0.5 per thousand population. The other States in which records of the prevalence of the disease were kept had reported case rates of less than 0.2 per thousand.

The relative prevalence of the disease in the several States, based upon the number of cases in proportion to the population, is shown in the map on page 1015. The more densely shaded States represent those having the heaviest infection. The States without any shading whatsoever represent those in which the reported case rates were



less than 0.2 per thousand population or in which the disease is not required to be reported and its prevalence is therefore unknown.

The numbers of cases reported in cities having over 100,000 population were given in the Public Health Reports of April 27, 1917, page 601. The following is a list of smaller cities in which 5 or more cases of the disease were reported, together with the number of cases:

From 50,000 to 100,000 population.—

Atlantic City, N. J.....	27
Bayonne, N. J.....	44
Binghamton, N. Y.....	7
Duluth, Minn.....	6
Elizabeth, N. J.....	71
El Paso, Tex.....	5
Erie, Pa.....	7
Evansville, Ind.....	7
Flint, Mich.....	44
Hoboken, N. J.....	10
Holyoke, Mass.....	117
Lancaster, Pa.....	21
Malden, Mass.....	46
Manchester, N. H.....	18
Mobile, Ala.....	10
New Britain, Conn.....	28
Passaic, N. J.....	8
Pawtucket, R. I.....	13
Portland, Me.....	5
Saginaw, Mich.....	18
Schenectady, N. Y.....	10
Somerville, Mass.....	48
Troy, N. Y.....	20
Utica, N. Y.....	36
Wilkes-Barre, Pa.....	6
Yonkers, N. Y.....	140

From 25,000 to 50,000 population—

Battle Creek, Mich.....	34
Bay City, Mich.....	25
Brookline, Mass.....	21
Cedar Rapids, Iowa.....	5
Chelsea, Mass.....	8
Cranston, R. I.....	12
Cumberland, Md.....	5
Decatur, Ill.....	15
East Orange, N. J.....	56
Evanston, Ill.....	8
Everett, Mass.....	27
Fitchburg, Mass.....	9
Green Bay, Wis.....	8
Haverhill, Mass.....	12
Hackett, Pa.....	7
Jackson, Mich.....	9
Kalamazoo, Mich.....	11
Kenosha, Wis.....	7

From 25,000 to 50,000 population—Continued.

Kingston, N. Y.....	8
Lansing, Mich.....	25
Lynchburg, Va.....	20
McKeesport, Pa.....	12
Medford, Mass.....	20
Montclair, N. J.....	32
Mount Vernon, N. Y.....	54
Newport, R. I.....	13
New Rochelle, N. Y.....	125
Newton, Mass.....	20
Norristown, Pa.....	19
Orange, N. J.....	82
Perth Amboy, N. J.....	30
Pittsfield, Mass.....	67
Quincy, Mass.....	66
Roanoke, Va.....	5
Salem, Mass.....	8
Waltham, Mass.....	28
Waterloo, Iowa.....	5
West Hoboken, N. J.....	36
From 10,000 to 25,000 population—	
Adrian, Mich.....	6
Appleton, Wis.....	8
Asbury Park, N. J.....	26
Beverly, Mass.....	24
Billings, Mont.....	30
Bloomfield, N. J.....	24
Burlington, Vt.....	6
Coffeyville, Kans.....	5
Dunkirk, N. Y.....	6
Eau Claire, Wis.....	5
Fulton, N. Y.....	31
Greenville, S. C.....	5
Greenwich, Conn.....	46
Hackensack, N. J.....	21
Harrison, N. J.....	36
Ithaca, N. Y.....	26
Johnstown, N. Y.....	10
Kearny, N. J.....	46
La Salle, Ill.....	6
Long Branch, N. J.....	25
Manitowoc, Wis.....	6
Middletown, N. Y.....	18
Morristown, N. J.....	6
North Adams, Mass.....	38



From 10,000 to 25,000 population—  
Continued.

Northampton, Mass.....	22
Ossining, N. Y.....	23
Oswego, N. Y.....	59
Peekskill, N. Y.....	16
Plainfield, N. J.....	45
Plymouth, Pa.....	5
Pontiac, Mich.....	9
Salem, Oreg.....	7
Saratoga Springs, N. Y.....	9

From 10,000 to 25,000 population—  
Continued.

Southbridge, Mass.....	5
Wausau, Wis.....	8
Webster, Mass.....	5
Westfield, Mass.....	14
West New York, N. J.....	47
West Orange, N. J.....	40
White Plains, N. Y.....	45
Winona, Minn.....	38
Woburn, Mass.....	6

*Cases of poliomyelitis reported by States, 1916.*

State.	Jan. 1 to Apr. 30.	May.	June.	July.	August.	September.	October.	November.	December.	Total cases.	Case rate per 1,000 population.
Alabama.....	4	3	8	77	65	13	8	4	4	186	0.080
Arizona.....	1			1	1	1	2			6	.023
California.....	14	2	4	12	19	14	21	25	21	132	.045
Colorado.....	1	1	1	2	2	4	6			16	.017
Connecticut.....	8	1	4	165	367	274	91	30	11	951	.764
District of Columbia.....	1			8	18	6	5			39	.107
Indiana.....		1	1	25	38	64	57	16	5	207	.073
Iowa.....	8		4	32	86	66	32	25	6	250	.117
Kansas.....	5		2	12	23	21	26	8	6	103	.056
Louisiana.....	18	3	6	25	9	5	3	5	3	77	.042
Maine.....					15	56	42	30	6	149	.193
Maryland.....	5			10	65	103	121	43	5	352	.258
Massachusetts.....	16	4	10	106	252	622	701	179	36	1,926	.518
Michigan.....	16	4	7	62	183	195	101	29	19	616	.202
Minnesota.....	6	9	19	232	337	193	90	19	4	1,009	.399
Mississippi.....	36	36	57	59	31	14	10	8	18	269	.138
Montana.....			1	11	28	33	13	6	2	94	.205
New Jersey.....	7	2	4	647	2,126	964	258	41	6	4,055	1.376
New York.....	30	16	345	4,054	5,773	2,201	643	122	39	13,223	1.287
Ohio.....	31	2	7	100	172	147	62	18	7	546	.106
Oregon.....	2					5	26	4	1	38	.045
Pennsylvania... <sup>1</sup> .....	10	3	9	120	747	804	379	83	26	2,181	.256
South Carolina.....	1	1		20	58	24	13	6		123	.076
Texas.....				22	25	19	6	1		76	.019
Vermont.....			1		11	20	22	2	2	64	.176
Virginia.....	51	28	11	24	44	64	48	46	14	330	.151
Washington.....	1		1	5	2	12	5	2	2	30	.020
West Virginia.....	7			5	13	18	18	4	17	182	.059
Wisconsin.....	3			20	174	163	87	19	9	476	.190
Wyoming.....					2	3		1	1		.039

<sup>1</sup> The health officer states that cases are known not to be completely reported.**CHEMICAL CLOSETS.**

Health officers in small towns and rural communities are frequently confronted with the question as to whether the so-called "chemical closets" which have appeared on the market during the past few years can be considered to be satisfactory from a sanitary point of view. A brief statement at this time of their advantages and limitations is therefore desirable.

A chemical closet is one whose primary object is the chemical disinfection of excreta. This is accompanied by more or less liquefaction according to the nature of the chemical used. The result is accomplished by the introduction into the receiving can, tank, or

other device, of an aqueous solution or emulsion of a chemical substance or mixture supposed to possess germicidal and, in certain cases, deodorizing and liquefying properties. There are at least two general types of chemical closet. One of these depends upon the action of an alkaline emulsion of a coal tar or other oily disinfectant, the principal object being disinfection and deodorization, and the other, upon a strongly caustic solution with or without other disinfectants with the additional object of rendering the tank contents semiliquid. These closets generally possess, in common with other types of privy, special devices for ventilation. In distinction from other privies, their installation within the house and even in the bedroom or other dwelling room, is being recommended by the manufacturers. Among the special advantages claimed are all the conveniences of the inside water-closet, simplicity of operation and ease and safety of disposing of the liquid material with entire freedom from any objectionable or obnoxious features.

A sanitary privy may be defined as a device in which human excreta may be deposited and, pending final disposal, stored in such a way that there shall be no channel of communication between the excreta and the bodies of human beings. This implies a water-tight receptacle protected against invasion by flies or domesticated animals and capable of cleanly and efficient operation, and so operated. As a necessary and indispensable adjunct to a sanitary privy, there must also be provision for the final disposal of the excreta in such a way that it shall be incapable of transmitting disease through the channels of personal contact, food, or water supply. It is also highly desirable that a sanitary privy shall be as free from odors and other objectionable features as possible and shall provide personal privacy, comfort, and convenience.

Without undertaking any description of specific makes of chemical closets, it seems highly desirable to inquire into the general merits of this system and to see to what extent they comply with the essentials of a sanitary system as outlined. The various devices are primarily water-tight receptacles so constructed that access of flies and animals is reasonably prevented, although the mechanical details of certain constructions are not such as to guarantee this result. Instances have been observed in practice where the sliding parts which form the connection to the lower receptacle, through perhaps unnecessarily rough usage have been so bent out of shape as to destroy the original function of the tightly fitting sleeve. This, however, is a matter of special design and of proper use and upkeep and need not be charged against the principles of the system.

In the secondary matters of privacy, convenience, and freedom from odors, these devices with their special provision for deodorization and for ventilation, are especially commendable. They are also

capable of cleanly operation and if so operated, they comply with the definition of a sanitary privy subject to the further requirements of a means of final disposal of the contents in a way that shall be incapable of transmitting disease. To this end chemical closets place primary reliance upon disinfection. If this be at all times satisfactory and if, in addition, the actual physical disposal of the disinfected material be made with due regard to common decency and cleanliness, the system complies satisfactorily with the requirements of a sanitary system. The essential condition, therefore, is the efficiency and sufficiency of the disinfection itself. In this connection there are certain distinct drawbacks to the system, not as it is laid down in the descriptive pamphlets, but as it would be operated under practical conditions.

Such protective factors as physical removal to a distant point are capable of ready appreciation upon the part of any person concerned, and, once appreciated, encounter no special difficulties in the way of their complete and satisfactory performance. Where the chief reliance is placed upon the action of a chemical, always a mysterious substance in the mind of the layman, there is much more likelihood of neglect through ignorance, carelessness, failure to order or receive a proper supply, or mistaken ideas of economy. The sufficiency of the system of disinfection recommended, when carried out in accordance with instructions, has been satisfactorily demonstrated in some cases with reference to certain organisms of disease. There is, however, a dearth of reliable information upon this point and in particular it must be noted that the destruction of hookworm eggs, a consideration of great importance throughout a large section of the country in which installations of this type of closet are most likely to be made, does not seem to have been satisfactorily investigated.

There is also the possibility of misuse of the principles of the chemical closet upon the part of unscrupulous manufacturers, resulting in the employment of chemical substances quite worthless for the purpose, and in the placing of such reliance upon imperfect disinfection as to result in serious consequences. It would seem to be incumbent, therefore, upon the manufacturers of such devices to make such thoroughgoing tests of the efficiency of the chemical substance to be employed, not only against the more common pathogenic bacteria, but also against the much more resistant hookworm eggs, as shall be satisfactory to State and local health authorities; and to furnish suitable guarantees of the constancy and permanence of such chemicals. In particular these tests must be made under practical working conditions, as the value of the phenol coefficient employed in the standardization of commercial disinfectants may be of minor significance in this connection.

Some criticism has been made of the suggestion of installing chemical closets in the living rooms of the home, but this is believed to be more a matter of esthetics than of health and, with proper safeguards as to ventilation, no reasonable objection can be raised against the practice upon sanitary grounds. Neither is it necessary to take into consideration questions of costs of installation and of operation, as these are matters which will be weighed in each individual case against convenience and comfort. It is obvious that the cheaper the installation which will comply with all public health and esthetic requirements the more general will be its adoption.

In brief then, everything depends upon the sufficiency of the disinfection and the means of final disposal. No system should be installed or recommended for installation in the absence of definite and satisfactory evidence that the treatment proposed will in fact destroy pathogenic bacteria and, in those sections of the country where hookworm disease is prevalent, the eggs and larvæ of hookworms. While the design and satisfactory operation of such a device is quite possible, its general adoption ought not to be recommended without giving the fullest consideration to the possibilities of mismanagement and it is believed that whatever means are adopted for final disposal, these should be so safeguarded that the almost inevitable failure at times of the chemical toilet may not result in serious danger to the health of those affected.

### STATE AND INSULAR HEALTH AUTHORITIES.

Directories of the State and insular health authorities of the United States for the years 1912, 1913, 1914, 1915, and 1916 have been published in the Public Health Reports<sup>1</sup> for the information of health officers and others interested in public-health activities.

The following directory for 1917 has been compiled from data furnished by the respective State and insular health officers.

Full-time officers are indicated by an asterisk (\*). For the purpose of this directory, a full-time officer is defined as a person "not engaged in the private practice of medicine or in any other business, but devoting all his time to official duties."

#### ALABAMA.

Board of censors of the State medical association acting as a committee of public health:

S. W. Welch, M. D., chairman, Montgomery.  
W. H. Sanders, M. D., Montgomery.  
Glenn Andrews, M. D., Montgomery.  
V. P. Gaines, M. D., Mobile.  
S. G. Gay, M. D., Selma.  
L. W. Johnston, M. D., Tuskegee.  
C. A. Mohr, M. D., Mobile.  
D. F. Talley, M. D., Birmingham.

#### ALABAMA—Continued.

Board of censors State medical association—Con.

I. L. Watkins, M. D., Montgomery.  
B. L. Wyman, M. D., Birmingham.

Executive health officer:

\* S. W. Welch, M. D., State health officer, Montgomery.

Registrar of vital statistics:

\* H. G. Perry, M. D., Montgomery.

State laboratory:

\* B. L. Arms, M. D., director, Montgomery.

<sup>1</sup> Reprints Nos. 83, 123, 190, 268, and 344 from the Public Health Reports.

**ALABAMA—Continued.****Sanitary engineer:**

\* J. V. Donley, Montgomery.

**Rural sanitation:**

\* P. P. Salter, M. D., field director, Montgomery.

**State prison inspector:**

\* W. W. Dinsmore, M. D., Montgomery.

Appropriation for fiscal year ending Sept. 30, 1917, \$26,200.

Publication issued by health department:  
Annual report.

**ALASKA.****Governor and ex officio commissioner of health:**

J. F. A. Strong, Juneau.

Appropriation for fiscal year ending Mar. 31, 1917, \$25,000.

**ARIZONA.****Board of health:**

Thomas E. Campbell, governor, president, Phoenix.

Wiley E. Jones, vice president, Phoenix.

J. Bernard Nelson, M. D., secretary, Phoenix.

**Executive health officer:**

J. Bernard Nelson, M. D., State superintendent of public health, Phoenix.

Appropriation for fiscal year ending June 30, 1917, \$4,700.

Publications issued by health department:  
Quarterly bulletin.  
Biennial report.

**ARKANSAS.****Board of health:**

J. T. Clegg, M. D., president, Siloam Springs.

C. W. Garrison, M. D., secretary, Little Rock.

B. A. Fletcher, M. D., Augusta.

C. F. Crosby, M. D., Heber Springs.

H. R. Webster, M. D., Texarkana.

H. L. Montgomery, M. D., Gravelly.

S. A. Southall, M. D., Lonoke.

F. O. Mahony, M. D., El Dorado.

**Executive health officer:**

\* C. W. Garrison, M. D., secretary and State health officer, Little Rock.

**Bureau of vital statistics:**

\* Miss Nell P. Smart, chief clerk, Little Rock.

**Hygienic laboratory:**

\* A. C. Shipp, M. D., director, Little Rock.

**Chief hotel inspector:**

\* E. R. Wiles, Little Rock.

Appropriations for biennial period ending Mar. 31, 1919:

Executive department—salaries and miscellaneous.....	\$11,300
Vital statistics bureau—salaries and miscellaneous.....	10,680
Bureau of sanitation—maintenance....	10,000
	<hr/>
	31,980

**Other sources of revenue:**

Fees for marriage licenses, 50 cents each, are deposited in the State treasury to maintain the Central Bureau of Vital Statistics.

License fees for hotels, restaurants, and rooming houses are deposited in the State treasury to maintain the Bureau of Sanitation.

**CALIFORNIA.****Board of health:**

George E. Ebright, M. D., president, San Francisco.

Fred F. Gundrum, M. D., vice president, Sacramento.

Wilbur A. Sawyer, M. D., secretary, Sacramento.

Wm. Le Moyne Wills, M. D., Los Angeles.

Edward F. Ghser, M. D., San Francisco.

Adelaide Brown, M. D., San Francisco.

Robert A. Peers, M. D., Colfax.

**Executive health officer:**

\* Wilbur A. Sawyer, M. D., secretary State board of health, Sacramento.

**Attorney for board of health:**

Kemper B. Campbell, Los Angeles.

**Bureau of administration:**

\* L. B. Mallory, director, Sacramento.

**Bureau of vital statistics:**

\* George D. Leslie, director, Sacramento.

**Bureau of registration of nurses:**

\* Anna C. Jamme, R. N., director, Sacramento.

**Bureau of tuberculosis:**

\* Edith L. M. Tate, director, Sacramento.

**Bureau of foods and drugs:**

\* Erwin J. Lea, director, Berkeley.

**Bureau of communicable diseases:**

\* James G. Cumming, M. D., director, Berkeley.

**Bureau of sanitary engineering:**

\* Chester G. Gillespie, director, Berkeley.

Appropriations for biennial period ending June 30, 1919:

Traveling and contingent expenses....	\$38,880
Tuberculosis.....	125,000
Pure food and drugs.....	65,000
Hygienic laboratory.....	55,000
Antirabic virus.....	55,000
Stenographic services.....	2,400
Printing.....	10,000
Contagious diseases.....	75,000
Sanitary engineering.....	45,000
Statutory salaries (from general appropriation).....	47,800
Support of 6 district health officers, at \$3,000, expenses, etc.....	55,000
	<hr/>
	519,080

**Other sources of revenue:**

Fees for registration of nurses (\$10 each).

Licensing of cold-storage warehouses (rated according to capacity).

Fees for certified copies of records.

Licensing plumbers.

**Fiscal year ends June 30.****Publications of health department:**

Biennial report.

Monthly bulletin.

**COLORADO.****Board of health:**

L. G. Crosby, M. D., president, Denver.

C. G. Hickey, M. D., vice president, Denver.

Erlo E. Kennedy, M. D., secretary, Denver.

A. W. Scott, Fort Collins.

Frank R. Coffman, M. D., Denver.

\* Full-time officer.



**COLORADO—Continued.****Board of health—Continued.**

Wm. H. Sharpley, M. D., Denver.  
A. C. McCain, M. D., Ault.  
Chas. A. Bundsen, M. D., Denver.  
C. O. Booth, M. D., Cheyenne Wells.

**Executive health officer:**

Erlo E. Kennedy, M. D., secretary and executive officer, Denver.

**Pure food and drug commissioner:**

\* S. R. McKelvey, M. D., Denver.

**Bacteriologist:**

W. C. Mitchell, M. D., Denver.

**Medical inspector:**

\* J. W. Morgan, M. D., Denver.

**Appropriations for fiscal year ending Nov. 30, 1917:**

Salaries.....	\$16,600
Laboratory equipment, supplies, and expenses.....	450
Bulletin.....	400
Traveling expenses.....	2,500
	<hr/>
	19,950

**CONNECTICUT.****Public health council:**

Edward K. Root, M. D.  
Lewis Sperry.  
C. E. A. Winslow, M. S.  
Walter H. Brown, M. D.  
J. Frederick Jackson, C. E.  
James A. Newlands, B. S.

**Executive health officer:**

John T. Black, M. D., commissioner of health, Hartford.

**Laboratory director:****Sanitary engineering director:****Preventable diseases director:****Vital statistics director:****Appropriations for fiscal year ending Sept. 30, 1918:**

General expenses.....	\$18,900
Laboratory.....	13,000
Antitoxin.....	6,200
Spring water investigation.....	500
Salary, commissioner.....	4,000
Special, factory wastes.....	12,500
	<hr/>
	55,100

**Other sources of revenue:**

Medical practice, registration fees.  
Spring water, license fees.

**Publications issued by health department:**

Monthly bulletin.  
Annual vital statistics report.  
Biennial report of State department of health.

**DELAWARE.****Board of health:**

Wm. P. Orr, M. D., president, Lewes.  
A. E. Frantz, M. D., secretary, Wilmington.  
J. W. Clifton, M. D., Smyrna.  
W. F. Haines, M. D., Seaford.  
J. A. Draper, M. D., Wilmington.  
C. A. Ritchie, M. D., Wilmington.  
L. S. Conwell, M. D., Camden.

**Executive health officer:**

A. E. Frantz, M. D., secretary and executive officer, Wilmington.

**Pathologist and bacteriologist:**

\*Herbert J. Watson, Newark.

**Appropriations for fiscal year ending Dec. 31, 1917:**

State board of health.....	\$2,500
Laboratory.....	4,000
Vital statistics.....	2,000
Diphtheria antitoxin.....	500
	<hr/>
	9,000

**DISTRICT OF COLUMBIA.****Executive health officer:**

Wm. C. Woodward, M. D., health officer, Washington.

**Assistant health officer:**

\*John L. Norris, M. D., Washington.

**Chief clerk and deputy health officer:**

\*Arthur G. Cole, Washington.

**Contagious-disease service:**

Wm. C. Fowler, M. D., chief, Washington.

**Bacteriologist:**

J. J. Kinyoun, M. D., Washington.

**Chemist:**

M. A. Pozen, B. S., Phar. D., Washington.

**Chief sanitary inspector:**

\*Charles R. Holman, Washington.

**Chief food inspector:**

Reid R. Ashworth, D. V. S., Washington.

**Chief medical and sanitary inspector of schools:**

\*Joseph A. Murphy, M. D., Washington.

NOTE.—All of the above-named officers of the District of Columbia Health Department are full time to the extent that they perform seven hours or more a day duty, the full measure of service fixed by law.

**Appropriations for fiscal year ending June 30, 1917:**

Salaries.....	\$68,040
Prevention of communicable diseases..	30,000
Disinfecting service.....	6,000
Isolation wards at hospitals.....	12,000
Milk inspection and regulation.....	7,000
Miscellaneous.....	12,200
	<hr/>
	135,240

**Publications issued by health department:**

Weekly report of health officer.  
Annual report of health officer.  
Monthly statement of average grade of milk sold.

\*Full-time officer.



**FLORIDA.****Board of health:**

Charles T. Frecker, president, Tampa.  
Ed. M. Ernest, Palatka.

J. E. Graves, DeFuniak Springs.

**Executive health officer:**

W. H. Cox, M. D., State health officer, Tampa.

**Scientific secretary:**

Hiram Byrd, B. S., M. D., Jacksonville.

**Bureau of vital statistics:**

F. L. Watkins, M. D., statistician, Jacksonville.

**Bureau of sanitary engineering:**

George W. Simons, Jr., chief, Jacksonville.

**Bureau of child hygiene:****Bureau of communicable diseases:****Appropriation for health department:**

One-half mill tax levied upon the assessable property of the State.

Fiscal year ends Dec. 31.

**Publication issued by health department:**

Monthly bulletin.

**GEORGIA.****Board of health:**

Howard J. Williams, M. D., president, Macon.

W. H. Doughty, Jr., M. D., vice president, Augusta.

H. F. Harris, M. D., secretary, Atlanta.

W. W. Owens, M. D., Savannah.

A. D. Little, M. D., Thomasville.

B. C. Teasley, M. D., Hartwell.

A. L. Crittenden, M. D., Shellman.

James H. McDuffie, M. D., Columbus.

Robert F. Maddox, Atlanta.

W. L. Funkhouser, M. D., Rome.

Giles Hathecock, M. D., Lula.

J. L. Walker, M. D., Waycross.

M. S. Brown, M. D., Fort Valley.

M. L. Brittain, State superintendent of schools, Atlanta.

Peter F. Balmsen, State veterinarian, Atlanta.

**Executive health officer:**

H. F. Harris, M. D., secretary and director of laboratories, Atlanta.

**Laboratories:**

\*Katharine R. Collins, M. D., assistant director; director of antitoxin department, Atlanta.

**Bacteriological department:**

\*L. T. Pattillo, M. D., director, Atlanta.

**Pasteur department:**

\*C. B. Greer, M. D., director, Atlanta.

**Water analysis department:**

\*Ray C. Werner, B. S., director, Atlanta.

Appropriation for fiscal year ending Dec. 31, 1917, \$30,500.

**Publication issued by health department:**

Quarterly bulletin.

**HAWAII.****Board of health:**

J. S. B. Pratt, M. D., president, Honolulu.

I. M. Stainback, attorney general, Honolulu.

W. C. Hobdy, M. D., Honolulu.

C. J. Campbell, Honolulu.

**HAWAII—Continued.****Board of health—Continued.**

John Markham, Honolulu.

G. J. Waller, Honolulu.

George Denison, Honolulu.

**Executive health officer:**

\*J. S. B. Pratt, president, Honolulu.

**Bacteriologist:**

\*A. K. Hanchett, M. D., Honolulu.

**Tuberculosis bureau:**

\*L. L. Patterson, M. D., director, Honolulu.

**Food commissioner and analyst:**

\*A. W. Hansen, Honolulu.

**Oahu Insane Asylum:**

\*W. A. Schwalle, M. D., superintendent, Honolulu.

**Leper settlement:**

\*J. D. McVeigh, superintendent, Kalaupapa, Molokai.

**Appropriations for fiscal year ending June 30, 1918:**

General expenses.....	\$21,100
Sanitation.....	44,580
Pure food.....	7,500
Bacteriological bureau.....	2,820
Quarantine and medical service.....	57,200
Rat campaign.....	10,000
Mosquito campaign.....	13,750
Tuberculosis.....	82,500
Care of lepers and their children.....	229,840
Care of insane.....	81,040
	<hr/> 550,330

**Publication issued by health department:**

Annual report of president.

**IDAHO.****Board of health:**

W. R. Hamilton, M. D., president, Weiser.

Edward T. Biwer, M. D., secretary, Boise.

T. A. Walters, attorney general, Boise.

J. H. Smith, State engineer, Boise.

B. O. Clark, M. D., Emmett.

**Executive health officer:**

\*Edward T. Biwer, M. D., secretary and registrar, Boise.

**Dairy, food, and sanitary inspector:**

J. K. White, Boise.

**Bacteriologist:**

Emily L. Moshage, M. D., Boise.

**Chemist:**

H. Louis Jackson, Boise.

**Appropriations for biennial period ending Jan. 1, 1919:**

State board of health.....	\$9,195
Bacteriological laboratory.....	7,400
Chemical laboratory.....	5,800
Vital statistics.....	1,200
Dairy, food, and sanitary inspection....	19,340
	<hr/> 42,995

Fiscal year ends January 1.

**ILLINOIS.****Board of health:**

John A. Robison, M. D., president, Chicago.

C. St. Clair Drake, M. D., secretary, Springfield.

T. B. Lewis, M. D., Hammond.

\*Full-time officer.

## ILLINOIS—Continued.

## Board of health—Continued.

T. O. Freeman, M. D., Mattoon.  
R. D. Luster, M. D., Granite City.  
E. S. Spindel, M. D., Springfield.

## Executive health officer:

\*C. St. Clair Drake, M. D., secretary and executive officer, Springfield.

## Registrar of vital statistics:

George Thomas Palmer, M. D., Springfield.

## Bacteriologist:

George F. Sorgatz, M. D., Springfield.

## Epidemiologist:

E. S. Godfrey, M. D., Springfield.

## Chief dairy inspector:

Paul Skoog, Springfield.

## Chief lodging-house inspector:

George Delvigne, Chicago.

## Sanitary engineering bureau:

Paul Hansen, chief engineer, Springfield.

## Appropriations for fiscal year ending June 30, 1917:

State board of health.....	\$95,954
Vital statistics.....	5,500
Laboratory and extensions.....	8,215
Dairy inspection.....	5,100
Lodging-house inspection.....	11,425
Sanitary engineering.....	10,850
Epidemiologist.....	17,600
	<hr/> 154,644

## Publication issued by health department:

Monthly bulletin.

## INDIANA.

## Board of health:

Chas. B. Kern, M. D., president, Lafayette.  
Hugh A. Cowing, M. D., vice president, Muncie.  
J. N. Hurty, M. D., secretary, Indianapolis.  
J. A. Hewitt, M. D., Terre Haute.  
James S. Boyers, M. D., Decatur.

## Executive health officer:

\*J. N. Hurty, M. D., State health commissioner, Indianapolis.

## Division of statistics:

\*Charles A. Carter, M. D., superintendent, Indianapolis.

## Division of bacteriology and pathology:

\*Will Shimer, M. D., superintendent, Indianapolis.

## Pasteur laboratory:

\*R. J. Anderson, M. D., superintendent, Indianapolis.

## Division of food and drugs:

\*H. E. Barnard, Ph. D., State food and drug commissioner, Indianapolis.

## Water and sewage laboratory:

\*J. C. Diggs, superintendent, Indianapolis.

## Division of child and school hygiene:

\*Wm. F. King, M. D., superintendent, Indianapolis.

## Division of epidemiology:

\*H. H. Mitchell, M. D., superintendent, Indianapolis.

## INDIANA—Continued.

## Appropriations for fiscal year ending Sept. 30, 1917:

Salaries (specific).....	\$4,500.00
State board of health office.....	30,000.00
Laboratory of hygiene.....	10,000.00
Laboratory pure food and drugs.....	20,000.00
Water laboratory.....	5,000.00
Weights and measures.....	10,000.00
Cold storage fund.....	430.00
Hydrophobia fund.....	8,084.70
Special for baby book.....	5,000.00
	<hr/> 93,014.76

## Publication issued by health department:

Monthly bulletin.

## IOWA.

## Board of health:

Walter L. Bierring, M. D., president, Des Moines.  
Henry A. Dittmer, M. D., vice president, Manchester.  
Guilford H. Sumner, M. D., secretary, Des Moines.  
Lafayette Higgins, sanitary engineer, Des Moines.  
George F. Severs, M. D., Centerville.  
Clinton E. Harris, M. D., Grinnell.  
W. L. Harding, governor, Des Moines.  
W. S. Allen, secretary of state, Des Moines.  
F. S. Shaw, State auditor, Des Moines.  
W. C. Brown, State treasurer, Des Moines.  
A. H. Davison, secretary appointing board and executive council, Des Moines.

## Executive health officer:

\*Guilford H. Sumner, M. D., secretary-executive officer and State health commissioner, Des Moines.

## Laboratories:

Henry Albert, M. D., director, Iowa City.  
Mark F. Boyd, M. D., epidemiologist, Iowa City.

## Appropriations for fiscal year ending June 30, 1917:

State board of health work.....	\$5,000
Bacteriological laboratory.....	6,000
Antitoxin department.....	2,000
Vital statistics.....	2,000
	<hr/> 15,000

The above does not include special appropriation for clerical assistance.

## Publications issued by health department:

Biennial report.  
Quarterly bulletin.

## KANSAS.

## Board of health:

W. M. Earnest, M. D., president, Washington.  
J. T. Axtell, M. D., vice president, Newton.  
M. O. Locke, attorney, Topeka.  
S. J. Crumbine, M. D., secretary, Topeka.

\*Full-time officer.

**KANSAS—Continued.****Board of health—Continued.**

C. H. Ewing, M. D., Larned.  
H. L. Aldrich, M. D., Caney.  
O. C. Baird, M. D., Chanute.  
Clay E. Coburn, M. D., Kansas City.  
C. H. Lerrigo, M. D., Topeka.  
Jessie T. Orr, M. D., Olathe.  
O. D. Walker, M. D., Salina.

**Executive health officer:**

S. J. Crumbine, M. D., secretary and executive officer, Topeka.

**Division of vital statistics:**

\*W. J. V. Deacon, M. D., State registrar, Topeka.

**Division of communicable diseases and sanitation:**

\*J. J. Sippy, M. D., epidemiologist, Topeka.

**Division of foods and drugs:**

L. A. Congdon, assistant chief food and drug inspector, Topeka.

**Division of child hygiene:**

\*Lydia A. DeVilbiss, M. D., chief, Topeka.

**Division of water and sewage:**

Prof. C. A. Haskins, chief, Lawrence.

**Division of public health education:**

S. J. Crumbine, M. D., director, Topeka.

**Water and sewage laboratories at Kansas University:**

Prof. C. C. Young, director, Lawrence.

**Food laboratory at Kansas University:**

Prof. E. H. S. Bailey, director of food analyses, Lawrence.

**Drug laboratory at Kansas University:**

Prof. L. E. Sayre, director of drug analyses, Lawrence.

**Food laboratory at Kansas Agricultural College:**

Prof. J. T. Willard, director of food analyses, Manhattan.

**Bacteriologist:**

S. E. Greenfield, M. D., Topeka.

**Appropriations for fiscal year ending June 30, 1918:**

Salaries.....	\$15,700
Miscellaneous.....	9,700
Water and sewage laboratory.....	5,000
Free distribution of antitoxins, etc.....	2,500
Suppression of communicable diseases.....	5,000
Public health exhibit car.....	2,000
Laboratory of hygiene.....	1,500
Division of child hygiene.....	7,500
	48,900

**Other sources of revenue:**

Marriage fees.

Water and ice analyses fees.

Food and drug laboratories at Kansas University maintained by university maintenance fund, and food laboratory at Kansas Agricultural College maintained by agricultural college maintenance fund.

**Publications issued by health department:**

Monthly bulletin.

Biennial report.

**KENTUCKY.****Board of health:**

J. G. South, M. D., president, Frankfort.  
A. T. McCormack, M. D., secretary, Bowling Green.  
W. W. Richmond, M. D., Clinton.  
I. A. Shirley, M. D., Winchester.  
C. A. Fish, M. D., Frankfort.  
George T. Fuller, M. D., Mayfield.  
H. H. Carter, M. D., Shelbyville.

**Executive health officer:**

\*A. T. McCormack, M. D., secretary and executive officer, Bowling Green.

**Chief sanitary inspector:**

\*J. N. McCormack, M. D., Bowling Green.

**Bacteriologist:**

\*L. H. South, M. D., Bowling Green.

**Sanitary engineer:**

\*D. P. Curry, M. D., Bowling Green.

**Registrar of vital statistics:**

\*P. E. Blackerby, M. D., Bowling Green.

Appropriation for fiscal year ending Dec. 31, 1917, \$30,000.

Fiscal year ends June 30.

Publication issued by health department:

Monthly bulletin.

**LOUISIANA.****Board of health:**

Oscar Dowling, M. D., president, New Orleans.  
J. M. Mosely, M. D., vice president, Arcadia.  
M. W. Swords, M. D., secretary, New Orleans.  
T. T. Tariton, M. D., Grand Coteau.  
T. A. Roy, M. D., Mansura.  
J. T. Abshire, M. D., Leroy.  
B. A. Ledbetter, M. D., New Orleans.  
L. C. Chamberlain, M. D., New Orleans.

**Executive health officer:**

\*Oscar Dowling, M. D., president, New Orleans.

**Medical inspector:**

H. B. White, M. D., Gueydan.

**Bacteriologist:**

W. H. Seemann, M. D., New Orleans.

**Registrar:**

John H. Ellis, M. D., New Orleans.

**Sanitary engineer:**

John H. O'Neill, New Orleans.

**Child hygiene:**

Agnes Morris, New Orleans.

**Analyst:**

C. L. Clay, New Orleans.

**Chemist:**

J. Roy Keeny, New Orleans.

Appropriation for fiscal year ending June 30,

1918..... \$30,000

**Other source of revenue:**

Fees from oil inspections, \$63,654.34 for year ended Dec. 31, 1916.

**Publications issued by health department:**

Monthly bulletin.

Quarterly bulletin.

Annual almanac.

Biennial report.

Fiscal year ends December 31.

\*Full-time officer.

**MAINE.****Board of health:**

G. M. Woodcock, M. D., president, Bangor.  
 A. G. Young, M. D., secretary, Augusta.  
 Prof. Marshall P. Cram, Brunswick.  
 W. L. Haskell, M. D., Lewiston.  
 Eugene W. Gass, Auburn.  
 Charles A. Creighton, Thomaston.  
 Paul S. Hill, M. D., Biddeford.

**Executive health officer:**

\* A. G. Young, M. D., secretary and executive health officer, Augusta.

**Laboratory of hygiene:**

\* Prof. Henry D. Evans, director, Augusta.

**State registrar:**

\* A. G. Young, M. D., Augusta.

**Appropriations for fiscal year ending Dec. 31, 1916:**

Contingent expenses.....	\$7,000
Vital statistics.....	3,000
Laboratory of hygiene.....	6,500
Printing and binding.....	2,500
Epidemic or emergency fund.....	2,000

21,000

**Publications issued by health department:**

Bimonthly bulletin.  
 Annual registration report.  
 Biennial report.

**MARYLAND.****Board of health:**

Wm. H. Welch, M. D., president, Baltimore.  
 Albert C. Ritchie, attorney general, Baltimore.  
 John S. Fulton, M. D., secretary, Baltimore.  
 Nathan R. Gorter, M. D., Baltimore.  
 Wm. W. Ford, M. D., Baltimore.  
 John D. Blake, M. D., Baltimore.  
 Tolley A. Biays, Baltimore.

**Executive health officer:**

\* John S. Fulton, M. D., State health officer, Baltimore.

**Bureau of communicable diseases:**

C. Hampson Jones, M. D., chief, Baltimore.

**Bureau of vital statistics:**

Frederic V. Bettler, M. D., chief, Baltimore.

**Food and drug commissioner:**

Charles Caspari, Jr., M. D., Baltimore.

**Bureau of bacteriology:**

Wm. Royal Stokes, M. D., chief, Baltimore.

**Bureau of sanitary engineering:**

Robert B. Morse, C. E., chief, Baltimore.

**Bureau of chemistry:**

\* Wyatt W. Randall, M. D., chief, Baltimore.

**Appropriation for fiscal year ending Sept. 30, 1917, \$123,500.****Publication issued by health department:**

Annual report.

**MASSACHUSETTS.****Public health council:**

Allan J. McLaughlin, M. D., chairman, Boston.  
 David L. Edsall, M. D., Milton.  
 W. J. Gallivan, M. D., South Boston.  
 J. E. Lamoureux, M. D., Lowell.  
 Prof. W. T. Sedgwick, Cambridge.  
 Prof. G. C. Whipple, Cambridge.  
 John T. Wheelwright, Boston.

**MASSACHUSETTS—Continued.****Executive health officer:**

\* Allan J. McLaughlin, M. D., commissioner of health, Boston.

**Division of sanitary engineering:**

\* X. H. Goodnough, director and chief engineer, Boston.

**Division of water and sewage laboratories:**

\* H. W. Clark, director and chemist, Boston.

**Division of communicable diseases:**

\* E. R. Kelley, M. D., director, Boston.

**Division of hygiene:**

\* Lyman A. Jones, M. D., director, Boston.

**Division of food and drugs:**

\* Hermann C. Lythgoe, director and analyst, Boston.

**Division of biologic laboratories:**

Milton J. Rosenau, M. D., director and pathologist, Boston.

**Antitoxin and vaccine laboratory:**

\* Rudolf Kohn, M. D., assistant director, Boston.

**Wassermann laboratory:**

W. A. Hinton, M. D., assistant director, Boston.

**Epidemiologist:**

\* S. H. Osborn, Boston.

**Bacteriologist:**

\* Edith A. Beckler, Boston.

**Appropriations for fiscal year ended Nov. 30, 1916:**

Salaries (specific).....	\$14,500
General expenses.....	18,240
Annual report.....	4,000
Division of hygiene.....	14,300
Epidemiologist, salary and expenses...	3,000
Inspectors of health.....	38,800
Diagnostic laboratory.....	5,730
Antitoxin and vaccine.....	29,000
Ophthalmia neonatorum.....	1,000
Food and drug inspection.....	17,500
Slaughtering inspection and cold storage.....	12,000
Water supply and sewage disposal.....	56,800
State examiners of plumbers.....	5,200
Nonpulmonary tuberculosis.....	500
Syphilis (manufacture or purchase of dioxidyaminoarsenobenzol).....	10,000
Printing special milk report.....	700
Causation of infantile paralysis.....	5,000
Aftercare of infantile paralysis.....	5,000

241,270

**Publications issued by health department:**

Monthly bulletin.  
 Annual report.

**MICHIGAN.****Board of health:**

Victor C. Vaughan, M. D., president, Ann Arbor.  
 Edward T. Abrams, M. D., vice president, Hancock.  
 R. M. Olin, M. D., secretary, Lansing.  
 Andrew P. Biddle, M. D., Detroit.  
 Wm. D. Farley, Battle Creek.  
 Guy L. Kiefer, M. D., Detroit.  
 Wm. F. English, M. D., Saginaw.

\* Full-time officer.

**MICHIGAN—Continued.****Executive health officer:**

\* R. M. Olin, M. D., secretary and executive officer, Lansing.

**Bacteriologist:**

\* A. A. Spoor, M. D., Lansing.

**Bacteriologist:**

\* E. R. Chambers, B. S., Houghton.

**Sanitary engineer:**

\* E. D. Rich, C. E., Lansing.

**Appropriations for fiscal year ended June 30, 1916:**

General appropriation.....	\$15,000.00
Clerical hire.....	12,000.00
Laboratories.....	11,000.00
Tuberculosis survey.....	50,000.00

88,000.00

From general fund of State for salaries and expenses.....

15,682.28

103,682.28

**Publications issued by health department:**

Monthly bulletin.

Annual report.

**MINNESOTA.****Board of health:**

W. A. Jones, M. D., president, Minneapolis.  
Christopher Graham, M. D., vice president, Rochester.

Egil Boeckmann, M. D., St. Paul.

Chas. L. Scofield, M. D., Benson.

Werner Hemsted, M. D., Brainerd.

F. N. Hunt, M. D., Fairmont.

D. N. Jones, M. D., Minneapolis.

C. W. More, M. D., Eveleth.

L. P. Wolff, St. Paul.

**Executive health officer:**

\* H. M. Bracken, M. D., secretary and executive officer, St. Paul.

**Division of records:**

\* O. C. Pierson, director, St. Paul.

**Division of preventable diseases:**

\* A. J. Chesley, M. D., director, Minneapolis.

**Pasteur institute:**

\* O. C. McDaniel, M. D., chief; assistant director of division of preventable diseases, Minneapolis.

**Division of sanitation:**

\* H. A. Whittaker, director, Minneapolis.

**Division of vital statistics:**

Mrs. Gerda C. Pierson, director, St. Paul.

**Appropriations for fiscal year ending July 31, 1918:**

General fund.....	\$17,772
Vital statistics.....	10,000
Communicable diseases.....	20,000
Laboratories.....	30,000
Pasteur institute.....	7,000
Sanitary engineering.....	7,000
Free antitoxin.....	7,000
Prevention of blindness.....	1,000
Infectious-disease carriers.....	500
Infantile paralysis.....	25,000

125,272

\* Full-time officer.

**MINNESOTA—Continued.****Other source of revenue:**

Aid from county and city for branch laboratory at Duluth, \$1,200.

Aid from physicians for branch laboratory at Mankato.

**Publications issued by health department:**

Monthly bulletin on deaths.

Biennial report.

**MISSISSIPPI.****Board of health:**

C. D. Mitchell, M. D., president, Pontotoc.

T. F. Elkin, M. D., Tupelo.

L. L. McDougal, M. D., Booneville.

J. H. McNeil, M. D., Olive Branch.

S. E. Eason, M. D., New Albany.

T. W. Reagan, M. D., Union.

W. W. Hall, M. D., Gunnison.

S. W. Glass, M. D., Lyon.

T. H. Seay, M. D., Laurel.

H. F. Garrison, M. D., Seminary.

B. L. Crawford, M. D., Tylertown.

J. H. Johnson, M. D., Brookhaven.

W. H. Watson, M. D., Brandon.

**Executive health officer:**

\* W. S. Leathers, M. D., secretary and executive officer, Jackson.

**Sanitary inspector:**

\* Willis Walley, M. D., Jackson.

**Deputy State registrar and assistant secretary:**

\* R. W. Hall, M. D., Jackson.

**Hygienic laboratory:**

C. R. Stingily, M. D., director, Jackson.

**Appropriations for fiscal year ending Dec. 31, 1917:**

Miscellaneous.....	\$12,000
Vital statistics.....	6,000
Municipal sanitation.....	3,200
Rural sanitation.....	5,000
Hygienic laboratory.....	6,000
Prevention of blindness in the new born.....	300
	32,500

**Other sources of revenue:**

From international health board for eradication of malaria, 1917.....

41,000

From international health board for rural sanitation work, 1917.....

6,660

**Publications issued by health department:**

Monthly bulletin.

Biennial report.

**MISSOURI.****Board of health:**

F. H. Matthews, M. D., president, Liberty.

T. H. Wilcoxon, M. D., vice president, Bowling Green.

George H. Jones, M. D., secretary, Jefferson City.

M. R. Hughes, M. D., St. Louis.

T. A. Son, M. D., Bonne Terre.

G. O. Cuppidge, M. D., Moberly.

W. J. Ferguson, M. D., Sedalia.

**Executive health officer:**

\* George H. Jones, M. D., secretary, Jefferson City.

**MISSOURI—Continued.**

Bacteriologist:  
 \* George H. Jones, M. D., Jefferson City.  
 Statistician:  
 C. J. Kaiser, Jefferson City.  
 Appropriations for biennial period ending Dec. 31, 1918:

Board of health fund.....	\$15,000
Bureau of vital statistics, salaries.....	21,600
Printing.....	7,000
Postage.....	3,500
Contagious diseases.....	2,000
Office expenses.....	1,950
Laboratory expenses.....	1,500
	<hr/> 52,550

Publications issued by health department:  
 Quarterly bulletin.  
 Annual report.

**MONTANA.**

Board of health:  
 D. J. Donohue, M. D., president, Butte.  
 W. F. Cogswell, M. D., secretary, Helena.  
 S. V. Stewart, governor, Helena.  
 S. C. Ford, attorney general, Helena.  
 W. J. Butler, State veterinarian, Helena.  
 E. F. Maginn, M. D., Butte.  
 S. A. Cooney, M. D., Helena.  
 Executive health officer:  
 \* W. F. Cogswell, M. D., secretary and executive officer, Helena.  
 Child-welfare division:  
 Margaret Hughes, director, Helena.  
 Water and sewage laboratory and food and drug laboratory:  
 W. M. Cobleigh, director, Bozeman.  
 Food and drug division:  
 H. M. Shea, director, Helena.  
 Inspector water plants:  
 F. J. O'Donnell, Helena.  
 Bacteriological laboratory:

Appropriation for health department:

Salaries (specific).....	\$6,600
Board of health expenses.....	4,000
Bacteriology.....	5,000
Infantile-paralysis work.....	4,000
Water analysis and inspection of water plants.....	4,000
Food and water laboratory.....	5,000
Enforcing food and drug law.....	6,000
Board of entomology (spotted-fever work).....	5,000
	<hr/> 39,600

Other source of revenue:  
 Fees for embalmers' licenses.  
 Fiscal year ends February 28.  
 Publications issued by health department:  
 Monthly bulletin.  
 Biennial report.

**NEBRASKA.**

Board of health:  
 Keith Neville, governor, Lincoln.  
 Willis E. Reed, attorney general, Lincoln.

**NEBRASKA—Continued.**

Board of health—Continued.  
 W. H. Clemmons, superintendent of public instruction, Lincoln.  
 Board of secretaries:  
 C. T. Burchard, M. D., president, Falls City.  
 H. B. Cummins, M. D., vice president, Seward.  
 L. Stark, M. D., treasurer, Hartington.  
 E. A. Carr, M. D., secretary, Lincoln.  
 Executive health officer:  
 \* James D. Case, M. D., State health inspector, Lincoln.  
 Pathologist and bacteriologist:  
 \* Wm. F. Wild, M. D., Lincoln.  
 Appropriations for biennial period ended Mar. 31, 1917:

Salaries.....	\$11,760
Office expenses.....	5,500
Traveling expenses of inspector.....	500
Laboratory expenses.....	2,000
	<hr/> 19,760

Other source of revenue:  
 Certified copies of births and deaths, 50 cents each.  
 Publication issued by health department:  
 Quarterly bulletin.

**NEVADA.**

Board of health:  
 W. H. Hood, M. D., president, Reno.  
 S. L. Lee, M. D., secretary, Carson City.  
 R. H. Mullin, M. D., Reno.  
 Executive health officer:  
 \* S. L. Lee, M. D., secretary, Carson City.  
 State hygienic laboratory at State university:  
 R. H. Mullin, M. D., director, Reno.  
 Appropriation for fiscal year ending Dec. 31, 1917, \$3,250.  
 Publication issued by health department:  
 Biennial report.

**NEW HAMPSHIRE.**

Board of health:  
 Robert Fletcher, C. E., president, Hanover.  
 Irving A. Watson, M. D., secretary, Concord.  
 Henry W. Keyes, governor, Haverhill.  
 James P. Tuttle, attorney general, Manchester.  
 George C. Wilkins, M. D., Manchester.  
 D. E. Sullivan, M. D., Concord.  
 Executive health officer:  
 \* Irving A. Watson, M. D., secretary, Concord.  
 Laboratory of hygiene:  
 \* Irving A. Watson, M. D., director, Concord.  
 Appropriations for fiscal year ending Aug. 31, 1918:

State board of health.....	\$15,050
Laboratory of hygiene.....	9,300
Vital statistics.....	1,800
State sanatorium.....	34,000
Board of commissioners of lunacy.....	800
	<hr/> 60,950

Publications issued by health department:  
 Quarterly bulletin.  
 Biennial report.

\* Full-time officer.



**NEW JERSEY.****Board of health:**

Wm. H. Chew, president, Salem.  
 E. A. Ayers, M. D., vice president, Branchville.  
 Frederick T. Crane, C. E., Orange.  
 Oliver Kelly, Oak Tree.  
 J. Oliver McDonald, M. D., Trenton.  
 Clyde Potts, C. E., Morristown.  
 Henry Spence, M. D., Jersey City.  
 H. E. Winter, M. D., Plainfield.

**Executive health officer:**

\*Jacob C. Price, M. D., director of health  
 Trenton.

**Laboratory of hygiene:**

\*R. B. Fitz-Randolph, chief, Trenton.

**Division of general administration:**

\*Charles J. Merrell, chief, Trenton.

**Bureau of food and drugs:**

\*Wm. G. Tice, chief, Trenton.

**Division of milk control:**

\*George W. McGuire, chief, Trenton.

**Bureau of medical supervision:**

\*A. C. Hunt, M. D., chief, Trenton.

**Bureau of education and publicity:**

\*A. C. Hunt, M. D., chief pro tem, Trenton.

**Division of child hygiene:**

\*Bertha F. Johnson, M. D., chief, Trenton.

**Bureau of local health administration:**

\*David C. Bowen, chief, Trenton.

**Bureau of engineering:**

\*Chester G. Wigley, chief, Trenton.

**Bureau of vital statistics:**

\*David S. South, chief, Trenton.

Appropriation for fiscal year ended Oct. 31, 1916,  
 \$128,000.

**Publications issued by health department:**

Monthly bulletin.  
 Annual report.

**NEW MEXICO.****Board of health:**

J. A. Massie, M. D., president, Santa Fe.  
 Joseph S. Cipes, M. D., vice president, Albuquerque.  
 R. K. McClanahan, M. D., secretary and treasurer, East Las Vegas.  
 H. A. Ingalls, M. D., Roswell.  
 M. D. Taylor, Aztec.  
 H. Austin Stroup, M. D., Artesia.  
 C. H. Ferguson, M. D., Tucumcari.

**Executive health officer:**

R. K. McClanahan, M. D., secretary and treasurer, East Las Vegas.

Fiscal year ends December 31.

**NEW YORK.****Public health council:**

Hermann M. Biggs, chairman, Albany.  
 Joseph A. Warren, secretary, New York City.  
 Homer Folks, New York City.  
 Simon Flexner, M. D., New York City.  
 Prof. Henry N. Ogden, Ithaca.  
 T. Mitchell Prudden, M. D., New York City.  
 Wilhelm Gaertner, M. D., Buffalo.  
 Mrs. Ella L. Blair, Port Chester.

**NEW YORK—Continued.****Executive health officer:**

Hermann M. Biggs, M. D., commissioner of health, Albany.

**Deputy commissioner of health:**

\*Matthias Nicoll, M. D., Albany.

**Secretary:**

\*John A. Smith, M. D., Albany.

**Executive clerk:**

\*Fenimore D. Beagle, Albany.

**Division of sanitary engineering:**

\*Theodore Horton, director, Albany.

**Division of vital statistics:**

\*Otto R. Eichel, M. D., director, Albany.

**Division of child hygiene:**

H. L. K. Shaw, M. D., director, Albany.

**Division of communicable diseases:**

\*Fred M. Meader, M. D., director, Albany.

**Division of laboratories and research:**

\*Augustus B. Wadsworth, M. D., director, Albany.

**Appropriations for fiscal year ending June 30, 1917:**

Personal services.....	\$344,160
Fuel, light, and water.....	3,000
Printing.....	43,300
Equipment.....	18,000
Supplies.....	22,200
Traveling expenses.....	47,700
Communication.....	15,200
General plant.....	2,000
Rent, branch offices.....	2,480
	498,040

**Other source of revenue:**

Fees from cold-storage licenses, fines, etc., and from certified transcripts of birth, death, and marriage certificates, approximately \$2,000 a year.

**Publications issued by health department:**

Monthly health news.  
 Fortnightly official bulletin.

**NORTH CAROLINA.****Board of health:**

J. Howell Way, M. D., president, Waynesville.  
 Richard H. Lewis, M. D., Raleigh.  
 J. L. Ludlow, C. E., Winston-Salem.  
 W. O. Spencer, M. D., Winston-Salem.  
 Thomas E. Anderson, M. D., Statesville.  
 Charles O'H. Laughinghouse, M. D., Greenville.  
 Edward J. Wood, M. D., Wilmington.  
 F. R. Harris, M. D., Henderson.  
 Cyrus Thompson, M. D., Jacksonville.

**Executive health officer:**

\*W. S. Rankin, M. D., secretary and treasurer, Raleigh.

**Bureau of rural sanitation:**

\*G. M. Cooper, M. D., chief, Raleigh.

**Deputy State registrar:**

\*J. R. Gordon, M. D., Raleigh.

**Bureau of engineering and education:**

\*W. H. Booker, C. E., chief, Raleigh.

**Laboratory of hygiene:**

\*C. A. Shore, M. D., director, Raleigh.

\* Full-time officer.

**NORTH CAROLINA—Continued.**

## State tuberculosis sanatorium:

\*L. B. McBrayer, M. D., superintendent, Sanatorium.

## Life extension work:

\*A. J. Ellington, M. D., director, Raleigh.

## Appropriations for fiscal year ending Nov. 30, 1917:

State board of health.....	\$37,500
Vital statistics.....	10,000
Laboratory of hygiene.....	12,500
Tuberculosis sanatorium.....	30,000
School inspection.....	10,000
Rural sanitation.....	15,000
Control of diseases.....	4,000
Prevention of blindness.....	3,000
	<hr/> 122,000

## Other sources of revenue:

Counties, for medical inspection of schools and typhoid vaccination, 1916.	\$5,170
Wilson County, soil pollution work, 1917.	3,600
International health commission, 1917..	3,600

## Publications issued by health department:

Monthly bulletin.  
Biennial report.

**NORTH DAKOTA.**

## Board of health:

Wm. Langer, attorney general, president, Bismarck.

A. M. Call, M. D., vice president, Rugby.

C. J. McGurran, M. D., secretary, Devils Lake.

## Executive health officer:

C. J. McGurran, M. D., secretary, Devils Lake:

## Appropriations for fiscal year ending June 30, 1917.

Salaries (specific).....	\$1,800
Miscellaneous.....	500
	<hr/> 2,300

## Publications issued by health department:

Quarterly bulletin.  
Biennial report.

**OHIO.**

## Board of health:

H. T. Sutton, M. D., vice president, Zanesville.

Joseph McGhee, attorney general, Columbus.

Wm. T. Miller, M. D., Cleveland.

Homer C. Brown, M. D., Columbus.

Oscar Hasencamp, M. D., Toledo.

J. Morton Howell, M. D., Dayton.

W. W. Ryall, M. D., Youngstown.

McKendree Smith, M. D., Grandview Heights, R. D., Columbus.

## Executive health officer:

\*James E. Bauman, secretary and executive officer, Columbus.

## Chief engineer:

\*W. H. Dittoe, Columbus.

## Division of laboratories:

\*L. H. Van Buskirk, director, Columbus.

## Division of public health, education, and tuberculosis:

\*J. R. McDowell, M. D., director, Columbus.

## Division of communicable diseases:

\*F. G. Boudreau, M. D., director, Columbus.

**OHIO—Continued.**

## Division of industrial hygiene:

\*R. P. Albaugh, M. D., director, Columbus.

## Division of child hygiene:

\*F. M. Hollingshead, M. D., director, Columbus.

## State plumbing inspector:

\*W. C. Groeniger, Columbus.

## Appropriations for fiscal year ending June 30, 1918:

Personal service.....	\$91,230
Maintenance.....	36,775
	<hr/> 128,005

## Publications issued by health department:

Monthly bulletin.  
Annual report.

**OKLAHOMA.**

## Executive health officer:

J. W. Duke, M. D., State commissioner of health, Guthrie.

\*C. J. Kendle, assistant commissioner of health.

## Chemist:

\*R. E. Andrew, Guthrie.

## Bacteriologist:

\*A. E. Oldham, Guthrie.

## Appropriations for fiscal year ending June 30, 1918:

Salaries.....	\$16,120
Biological products.....	7,500
Contingent expenses.....	5,000
Printing.....	2,000
Pure food and drug division.....	20,000
Sanitary inspection.....	2,500
Laboratory.....	5,000
	<hr/> 58,120

## Publication issued by health department:

Annual report.

**OREGON.**

## Board of health:

A. C. Seely, M. D., president, Roseburg.

M. B. Marcellus, M. D., vice president, Portland.

David N. Roberg, M. D., secretary, Portland.

Andrew C. Smith, M. D., Portland.

H. E. Clay, M. D., Salem.

C. T. Bacon, M. D., La Grande.

R. J. Marsh, M. D., Portland.

## Executive health officer:

\*David N. Roberg, M. D., secretary and State health officer, Portland.

## Registrar of vital statistics:

\*David N. Roberg, M. D., Portland.

## Acting State bacteriologist:

Miss Emma Howe, Portland.

## Appropriation for fiscal year ending Dec. 31, 1917, \$12,500.

## Publications issued by health department:

Annual report.  
Biennial report.

**PENNSYLVANIA.**

## Advisory board:

Adolph Koenig, M. D., Pittsburgh.

Lee Masterton, C. E., Johnstown.

\* Full-time officer.

**PENNSYLVANIA—Continued.****Advisory board—Continued.**

Charles B. Penrose, M. D., Philadelphia.  
 Daniel P. Gerberich, M. D., Lebanon.  
 Clarence J. Marshall, V. M. D., Harrisburg.  
 Edgar M. Green, M. D., Easton.

**Executive health officer:**

\*Samuel G. Dixon, M. D., LL. D., Sc. D., commissioner of health, Harrisburg.

**Assistant to commissioner:**

\*Thomas W. Jackson, M. D., Harrisburg.

**Secretary:**

\*J. O. Hauser, Harrisburg.

**Division of medical inspection:**

\*B. Franklin Royer, M. D., chief medical inspector, Harrisburg.

**Laboratories and experimental station:**

\*J. B. Rucker, Jr., M. D., chief of the laboratories, Philadelphia.

**Division of sanatoria:**

\*F. C. Johnson, M. D., medical director, Sanatorium for Tuberculosis No. 1, Mont Alto.

\*W. G. Turnbull, M. D., medical director, Sanatorium for Tuberculosis No. 2, Cresson.

\*T. H. A. Stites, M. D., medical director, Sanatorium for Tuberculosis No. 3, Hamburg.

**Division of tuberculosis dispensaries:**

\*Karl Schaffle, M. D., medical inspector, Harrisburg.

**Division of distribution of biological products:**

\*J. Moore Campbell, M. D., chief, Harrisburg.

**Division of sanitary engineering:**

\*C. A. Emerson, Jr., acting chief engineer, Harrisburg.

**Bureau of vital statistics:**

\*Wilmer R. Batt, M. D., State registrar, Harrisburg.

**Division of housing:**

\*John Molitor, acting chief, Philadelphia.

**Division of public service:**

\*Edward Stuart, chief, Harrisburg.

**Division of accounting and purchasing:**

\*E. I. Simpson, chief, Philadelphia.

**Division of supplies:**

\*Charles Hartzell, superintendent, Harrisburg.

Appropriation for biennial period ending May 31, 1917, \$4,368,431.45.

Fiscal year ends May 31.

**PHILIPPINE ISLANDS.****Council of hygiene, advisory board to the director of health:**

Fernando Calderon, M. D., president, Manila.  
 Manuel Gomez, M. D., secretary, Manila.  
 Manuel Guerrero, M. D., Manila.  
 Jose Albert, M. D., Manila.  
 Benito Valdez, M. D., Manila.  
 Jose Escaler, M. D., Manila.  
 Tomas Earnshaw, Manila.

**Executive health officer:**

\*John D. Long, M. D., director of health and chief quarantine officer, Manila.

**Assistant director of health:**

\*Vicente de Jesus, M. D., Manila.

**PHILIPPINE ISLANDS—Continued.****Division of provincial sanitation:**

\*Paul Clements, M. D., chief, Manila.

**Division of city of Manila sanitation:**

\*Salvador V. del Rosario, M. D., chief, Manila.

**Office of statistics:**

\*Manuel Gomez, M. D., chief, Manila.

**Office of sanitary engineering:**

\*Edward L. Barber, chief, Manila.

**Office of hygienic and industrial development:**

\*Mamerto Tiano, acting chief, Manila.

**Office of district nursing:**

\*Miss Pearlitta Clark, chief, Manila.

**Clerical office:**

\*Michael J. Walsh, acting chief, Manila.

**Office of property:**

\*B. D. Burnham, chief, Manila.

Appropriation for fiscal year ending Dec. 31, 1917, \$604,043.

**Publications issued by health service:**

Quarterly report.

Annual report.

**PORTO RICO.****Board of health:**

Francisco del Valle Atiles, M. D., president, San Juan.

Jose Lugo-Vina, M. D., secretary, San Juan.

J. N. Carbonell, M. D., San Juan.

Jorge V. Dominguez, San Juan.

Eliseo Font y Guillot, M. D., San Juan.

J. J. Monclova, Rio Piedras.

Gustavo Munoz Diaz, San Juan.

**Executive health officer:**

Wm. F. Lippitt, M. D., commissioner of health, San Juan.

**Division of property and accounts:**

F. D. McCown, chief, San Juan.

**Sanitary engineer:**

W. P. C. Lippitt, San Juan.

**Division of transmissible diseases and bacteriological laboratory:**

J. Gomez Brioso, M. D., chief, San Juan.

**Bacteriological laboratory:**

F. J. Hernandez, M. D., director, San Juan.

**Chemical laboratory:**

R. del Valle Sarraga, M. D., director, San Juan.

**Appropriations for fiscal year ending June 30, 1917:**

Department of health (proper), salaries and contingent expenses....	\$150,440.00
Leper colony.....	13,299.50
Quarantine hospital.....	2,452.00
Mosquito extermination.....	27,000.00
Suppression of anemia.....	8,000.00
Emergency fund for control and suppression of epidemics.....	8,877.98
Suppression of measles.....	50,000.00
Trust funds for control and suppression of epidemics.....	3,000.00
Insane asylum.....	22,355.67
Blind asylum.....	8,183.77
	<hr/> 293,608.92

**Publication issued by health department:**

Annual report.

\*Full-time officer.

**RHODE ISLAND.****Board of health:**

John H. Bennett, M. D., president, Pawtucket.  
 Alexander B. Briggs, M. D., Ashaway.  
 Rev. George L. Locke, Bristol.  
 R. Morton Smith, M. D., Riverpoint.  
 Wm. L. Harris, M. D., Providence.  
 Thomas J. McLaughlin, M. D., Woonsocket.  
 Norman M. MacLeod, M. D., Newport.

**Executive health officer:**

Gardner T. Swarts, M. D., secretary and State registrar, Providence.

**Pathologist:**

\*Harry S. Bernstein, M. D., Providence.

**Chemist:**

Stephen DeM. Gage, Providence.

**Appropriations for fiscal year ended Dec. 31, 1916:**

State board of health.....	\$9,500
Pathological laboratory.....	9,500
Chemical laboratory.....	5,500

24,500

**Publications issued by health department:**

Quarterly bulletin.

Annual report of births, deaths, and marriages.

**SOUTH CAROLINA.****Board of health:**

Robert Wilson, jr., M. D., chairman, Charleston.

James A. Hayne, M. D., secretary, Columbia.

D. B. Frontis, M. D., Ridge Spring.

C. C. Gambrell, M. D., Abbeville.

E. A. Hines, M. D., Seneca.

W. J. Burdell, M. D., Lugoff.

Wm. Egleston, M. D., Hartsville.

W. M. Lester, M. D., Columbia.

W. W. Dodson, M. D., Greenville.

Thomas H. Peebles, attorney general, Columbia.

C. W. Sawyer, comptroller general, Columbia.

**Executive health officer:**

\*James A. Hayne, M. D., secretary and State health officer, Columbia.

**Laboratory:**

\*F. A. Coward, M. D., director, Columbia.

**Rural community work:**

\*L. A. Riser, M. D., director, Columbia.

**State registrar:**

\*James A. Hayne, M. D., Columbia.

**Appropriations for fiscal year ending Dec. 31, 1917:**

Salaries.....	\$8,176.25
Contingent fund for contagious diseases.....	20,000.00
Miscellaneous.....	4,000.00
Vital statistics.....	5,000.00
Intensive county health work.....	7,000.00
Tuberculosis camp.....	30,000.00

74,176.25

**Publication issued by health department:**

Annual report.

**SOUTH DAKOTA.****Board of health:**

F. E. Ashcroft, M. D., president, Deadwood.

E. W. Fiege, M. D., vice president, Huron.

**SOUTH DAKOTA—Continued.****Board of health—Continued.**

Park B. Jenkins, M. D., superintendent, Wau-bay.

H. R. Kenaston, M. D., Bonesteel.

W. E. Daniels, M. D., Madison.

**Executive health officer:**

Park B. Jenkins, M. D., superintendent and executive officer, Waubay.

**Laboratory:**

Mortimer Herzberg, M. D., director, Vermillion.

**Appropriations for fiscal year ending June 30, 1917:**

Salaries.....	\$2,900
Printing.....	1,000
Miscellaneous.....	5,500
Antitoxin and biological products.....	1,500

10,900

**Publications issued by health department:**

Quarterly bulletin.

Biennial report.

**TENNESSEE.****Board of health:**

R. E. Fort, M. D., president, Nashville.

W. J. Miller, M. D., vice president, Johnson City.

V. A. Biggs, M. D., Martin.

H. K. Bryson, Nashville.

**Executive health officer:**

\*R. Q. Lillard, M. D., secretary and executive officer, Lebanon.

**Registrar of vital statistics:**

H. H. Shoulders, M. D., assistant secretary and State registrar, Nashville.

**Director of rural sanitation:**

Olin West, M. D., Nashville.

**Bacteriologist:**

Wm. Litterer, M. D., Nashville.

**Pure food and drug inspector:**

Harry L. Eskew, Nashville.

**Appropriations for fiscal year ending Mar. 19, 1919:**

Laboratory.....	\$6,000
Epidemic fund.....	7,000
Vital statistics.....	16,000
Rural sanitation.....	20,000
Office expenses.....	2,000
Salaries.....	4,500

55,500

**Other source of revenue:**

International health commission, rural sanitation, \$20,000.

**TEXAS.****Board of health:**

W. B. Collins, M. D., president, Austin.

L. W. Hollis, M. D., Abilene.

L. M. Weinfeld, M. D., San Antonio.

B. E. Knolle, M. D., Industry.

W. D. Littler, M. D., Fort Worth.

H. J. Childress, M. D., Gilmer.

E. M. Wood, M. D., Hutto.

**Executive health officer:**

\*W. B. Collins, M. D., president and State health officer, Austin.

\*Full-time officer.

**TEXAS—Continued.**

Registrar of vital statistics and secretary State board of health:

\*W. A. Davis, M. D., Austin.

Chemist and bacteriologist:

G. M. Graham, M. D., Austin.

Quarantine department:

\*A. L. Lincecum, M. D., Austin.

Sanitary engineer:

\*V. M. Ehlers, Austin.

Department of rural sanitation:

\*P. W. Covington, M. D., Austin.

Appropriation for biennial period ending

Aug. 31, 1919..... \$200,840

Special appropriation for rural sanitation.. 70,000

Special appropriation for bureau of vital statistics..... 8,000

278,840

Publication issued by health department:

Biennial report.

**UTAH.**

Board of health:

Fred Stauffer, M. D., president, Salt Lake City.

T. B. Beatty, M. D., secretary, Salt Lake City.

H. K. Merrill, M. D., Logan.

Ezra Rich, M. D., Ogden.

C. E. McDermid, M. D., Winter Quarters.

A. F. Doremus, C. E., Salt Lake City.

F. S. Bascom, M. D., Salt Lake City.

Executive health officer:

\*T. B. Beatty, M. D., State health commissioner, Salt Lake City.

Appropriations for biennial period ending Mar. 31, 1919:

Salaries..... \$12,800

\*Contingent expenses..... 10,000

Vital statistics..... 2,500

25,300

Publications issued by health department:

Quarterly bulletin.

Biennial report.

Fiscal year ends December 31.

**VERMONT.**

Board of health:

Charles S. Caverly, M. D., president, Rutland.

F. Thomas Kidder, M. D., treasurer, Woodstock.

Charles F. Dalton, M. D., secretary, Burlington.

Executive health officer:

\*Charles F. Dalton, M. D., secretary and executive officer, Burlington.

Laboratory of hygiene:

B. H. Stone, M. D., director, Burlington.

Sanitary engineer:

Prof. J. W. Votey, Burlington.

Sanitary inspector:

Henry A. Ladd, M. D., Burlington.

Appropriation for fiscal year ending June 30, 1918, \$42,000.

Other source of revenue:

Private donation for study and treatment of infantile paralysis.

**VERMONT—Continued.**

Publications issued by health department

Quarterly bulletin.

Biennial report.

**VIRGINIA.**

Board of health:

W. M. Smith, M. D., president, Alexandria.

S. W. Hobson, M. D., vice president, Newport News.

J. B. Fisher, M. D., secretary, Midlothian.

W. W. Baker, Hallsboro.

A. G. Crockett, M. D., Max Meadows.

W. F. Drewry, M. D., Petersburg.

T. C. Firebaugh, M. D., Harrisonburg.

Guy R. Harrison, D. D. S., Richmond.

Lewis E. Harvie, M. D., Danville.

George B. Lawson, M. D., Roanoke.

Stuart McGuire, M. D., Richmond.

L. T. Royster, M. D., Norfolk.

Beverly R. Tucker, M. D., Richmond.

Reid White, M. D., Lexington.

Executive health officer:

\*Ennion G. Williams, M. D., State health commissioner, Richmond.

Assistant health commissioner:

\*W. A. Brumfield, M. D.

Registrar of vital statistics:

\*W. A. Plecker, M. D., Richmond.

Bacteriologist:

\*J. O. Fitzgerald, jr., M. D., Richmond.

Sanitary engineer:

\*Richard Messer, C. E., Richmond.

Director of publicity:

Douglas S. Freeman, Ph. D., Richmond

Appropriations for fiscal year ended Feb. 28, 1917:

State board of health..... \$35,000

Vital statistics..... 6,200

Publicity..... 1,000

Investigation of communicable diseases..... 5,000

Trachoma hospital at Coeburn..... 1,200

Community sanitation for rural sections..... 7,200

Tuberculosis educational work..... 5,000

60,600

Other sources of revenue:

Fees for hotel inspections..... \$2,089.47

Metropolitan Life Insurance Co., one-half salary and traveling expenses of supervising nurse..... 735.85

Publications issued by health department:

Monthly bulletin.

Annual report.

**WASHINGTON.**

Board of health:

F. R. Hedges, M. D., president, Everett.

Wilson Johnston, M. D., Spokane.

H. T. Graves, D. V. S., Olympia.

Mrs. R. C. McCredie, Sunnyside.

\* Full-time officer.

**WASHINGTON—Continued.****Executive health officer:**

\*T. D. Tuttle, M. D., State commissioner of health and secretary State board of health, Seattle.

**Sanitary inspector:**

\*T. R. Wilbur, Seattle.

**Bacteriologist:**

\*M. K. Schumeister, M. D., Seattle.

**Epidemiologist:**

A. L. Windom, M. D.

Appropriation for biennial period ending Mar. 31, 1919, \$51,610.

Fiscal year ends Mar. 31.

Publication issued by health department:  
Biennial report.

**WEST VIRGINIA.****Public health council:**

\_\_\_\_\_, president.

S. L. Jepson, M. D., commissioner of health, Charleston.

J. L. Pyle, M. D., Chester.

F. F. Farnsworth, M. D., Frenchton.

\_\_\_\_\_,

W. T. Henshaw, M. D., Martinsburg.

**Executive health officer:**

\*S. L. Jepson, M. D., commissioner of health, Charleston.

**Assistant commissioner of health:**

H. B. Wood, M. D., Dr. P. H.

**Division of preventable diseases:**

\_\_\_\_\_, director.

**Division of sanitary engineering:**

\*Mayo Tolman, B. S., director, Charleston.

**Hygienic laboratory:**

John N. Simpson, M. D., director, Morgantown.

Appropriation for fiscal year ending June 30, 1918, \$34,200.

**Other source of revenue:**

Fees from granting certificates to practice medicine.

**Publications issued by health department:**

Quarterly bulletin.

Annual report.

**WISCONSIN.****Board of health:**

W. F. Whyte, M. D., president, Madison.

C. A. Harper, M. D., State health officer, Madison.

**WISCONSIN—Continued.****Board of health—Continued.**

E. S. Hayes, M. D., Eau Claire.

C. H. Sutherland, M. D., Janesville.

C. A. Richards, M. D., Rhinelander.

Otho Fiedler, M. D., Sheboygan.

J. M. Furstman, M. D., La Crosse.

**Executive health officer:**

C. A. Harper, M. D., State health officer, Madison.

**Division of general administration:**

C. A. Harper, director, M. D., Madison.

**Bureau of vital statistics:**

\*L. W. Hutchcroft, chief statistician, Madison.

**Bureau of education:**

\*Louis W. Bridgman, chief clerk, Madison.

**Laboratory of hygiene:**

\*W. D. Stovall, M. D., bacteriologist and acting director, Madison.

**Appropriations for fiscal year ending June 30, 1917:**

General administration.....	\$35,000
Emergency appropriation for epidemics.....	7,500
Branch laboratory and State co-operative laboratories.....	2,500
Prevention of infantile blindness.....	1,500
Water survey.....	3,000
Licensing of embalmers, hotels and restaurants, plumbers, and barbers..	31,641
	<hr/> 81,141

**Publications issued by health department:**

Quarterly bulletin.

Biennial report.

**WYOMING.****Board of health:**

C. Y. Beard, M. D., secretary, Cheyenne.

Herbert T. Harris, M. D., Basin.

Anna G. Hurd, M. D., Sheridan.

**Executive health officer:**

C. Y. Beard, M. D., secretary, Cheyenne.

**Appropriations for fiscal year ended Mar. 31, 1917:**

State board of health.....	\$1,250
Vital statistics.....	500
	<hr/> 1,750

**Publication issued by health department:**

Biennial report.

\* Full-time officer.



## PREVALENCE OF DISEASE.

*No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.*

### UNITED STATES.

#### CURRENT STATE SUMMARIES.

##### California Report for the Week Ended June 23, 1917.

The California State Board of Health reported concerning the status of preventable diseases in California for the week ended June 23, 1917, as follows: Four cases of cerebrospinal meningitis were notified, making a total of 16 cases reported since June 1, 1917. Chicken pox, diphtheria, measles, mumps, and scarlet fever continued to decrease in the numbers of cases notified. Pneumonia and whooping cough showed slight increases. An outbreak of acute dysentery occurred in Colusa County, with 15 notified cases. Four cases of smallpox were notified, 1 in Fresno and 3 in Marin County. Of typhoid fever, 17 cases were reported, 1 case each in Bakersfield, Petaluma, Kern County, and San Joaquin County, 4 each in Sacramento and San Francisco, 3 in Oakland, and 2 in Los Angeles.

The details of notifiable disease cases reported in the State during the week ended June 16 are as follows:

Cerebrospinal meningitis.....	6	Poliomyelitis.....	2
Chicken pox.....	98	Ophthalmia neonatorum.....	1
Diphtheria.....	18	Scarlet fever.....	40
Erysipelas.....	7	Smallpox.....	1
German measles.....	50	Syphilis.....	28
Gonococcus infection.....	49	Tuberculosis.....	92
Malaria.....	14	Typhoid fever.....	18
Measles.....	316	Typhus fever.....	1
Mumps.....	149	Whooping cough.....	65
Pneumonia.....	21		

## RECIPROCAL NOTIFICATION.

## Minnesota.

*Cases of communicable diseases referred during May, 1917, to other State health departments by department of health of the State of Minnesota.*

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria: Minneapolis Health Department, Hennepin County.	La Crosse, La Crosse County, Wis.....	Two cooks, exposed to diphtheria in their child who died in Minneapolis City Hospital, left Minnesota for Wisconsin.
Measles: Wild Rice Lutheran Orphans' Home, Twin Valley, Norman County.	Newman Grove, Madison County, Nebr.	Four children broken out with measles 1 day after arriving at orphans' home in Minnesota from Nebraska.
Smallpox: Minneapolis Health Department, Hennepin County.	Hamilton, Marion County, Iowa.....	Sent to quarantine hospital, Minneapolis, for smallpox 3 days after leaving her home in Iowa.
	Bismarck, Burleigh County, N. Dak.; Goldenvalley, Mercer County, N. Dak.; Napoleon, Logan County, N. Dak.	Traveling salesman broken out with smallpox on arrival home in Minneapolis from North Dakota.
Tuberculosis: Mayo Clinic, Rochester, Olmsted County.	Waukegan, Lake County, Ill.; Osage, Mitchell County, Iowa; Glidden, Carroll County, Iowa; Escanaba, Delta County, Mich.; Traverse City, Grand Traverse County, Mich.; Ruso, McLean County, N. Dak.; Elgin, Morton County, N. Dak.; Freeport, Armstrong County, Pa.; Hartford, Minnehaha County, S. Dak.; Aberdeen, Brown County, S. Dak.; Eau Galle, Dunn County, Wis.; Centuria, Polk County, Wis.; Superior, Douglas County, Wis.; Dominion City, Manitoba, Canada; Winnipeg, Manitoba, Canada.	One incipient, 8 advanced, 5 moderately advanced and 1 apparently cured cases left Mayo Clinic for homes.
St. Paul Bureau of Health, Ramsey County.	Cleveland, Cuyahoga County, Ohio....	Open case left Minnesota for Ohio.

## ANTHRAX.

## State Reports for May, 1917.

During the month of May, 1917, 1 case of anthrax was reported in Louisiana and 1 case was reported in Ohio.

## Ohio Reports for February and March, 1917.

During the month of February, 1917, 1 case of anthrax was reported in Ohio, and 1 case was reported in March.

## CEREBROSPINAL MENINGITIS.

## State Reports for May, 1917.

Place.	New cases reported.	Place.	New cases reported.
<b>Kansas:</b>		<b>Mississippi:</b>	
Cowley County—		Greene County.....	1
Arkansas City.....	1	Tate County.....	1
Crawford County—		Wayne County.....	1
Pittsburg.....	1	Total.....	3
Leavenworth County—			
Fort Leavenworth.....	1	<b>Ohio:</b>	
McPherson County—		Allen County.....	1
McPherson (R. D.).....	1	Ashland County.....	5
Montgomery County—		Brown County.....	1
Caney.....	1	Crawford County.....	1
Independence.....	1	Cuyahoga County—	
Sycamore.....	1	Cleveland.....	28
Rice County—		Franklin County—	
Geneseo.....	1	Columbus.....	4
Sedgwick County—		Gallia County.....	1
Wichita.....	2	Hamilton County—	
Sumner County—		Cincinnati.....	9
Conway Springs (R. D.).....	1	Holmes County.....	1
Trego County—		Jefferson County—	
Wakeeney.....	1	Steubenville.....	3
Wyandotte County—		Logan County.....	1
Kansas City.....	8	Lorain County.....	1
Rosedale.....	3	Lucas County—	
Total.....	23	Toledo.....	4
		Mahoning County.....	12
<b>Minnesota:</b>		Montgomery County.....	2
Aitkin County—		Ottawa County.....	1
Hill City.....	1	Preble County.....	1
Cottonwood County—		Seneca County.....	2
Mountain Lake.....	1	Stark County—	
Crow Wing County—		Canon.....	4
Crow Wing Township.....	1	Summit County.....	25
Grant County—		Trumbull County.....	2
Elbow Lake.....	1	Total.....	109
Lien Township.....	1		
Maceville Township.....	1	<b>Pennsylvania:</b>	
Hennepin County—		Allegheny County.....	46
Minneapolis.....	24	Armstrong County.....	1
West Minneapolis.....	1	Butler County.....	1
Lyon County—		Cambria County.....	9
Tracy.....	1	Chester County.....	1
Custer Township.....	1	Clearfield County.....	1
McLeod County—		Crawford County.....	1
Glencoe.....	1	Delaware County.....	2
Martin County—		Elk County.....	1
Ceylon.....	1	Erie County.....	2
Fairmont.....	1	Fayette County.....	2
Sherburn.....	1	Juniata County.....	1
Warrenton Township.....	1	Lancaster County.....	1
Morrison County—		Lawrence County.....	5
Royalton.....	1	Lebanon County.....	1
Nicollet County—		Luzerne County.....	4
St. Peter.....	1	Mercer County.....	1
Olmsted County—		Montgomery County.....	1
Haverhill Township.....	1	Northampton County.....	1
Ramsey County—		Philadelphia County.....	80
St. Paul.....	18	Schuylkill.....	2
New Canada Township.....	1	Washington County.....	2
St. Louis County—		Westmoreland County.....	4
Duluth.....	4	Total.....	176
Virginia.....	1		
Herman Township.....	1	<b>Rhode Island:</b>	
Sherburne County—		Newport County—	
Becker Township.....	1	Portsmouth (town).....	1
Sibley County—		Providence County—	
Winthrop.....	1	Providence.....	3
Severance Township.....	1	Total.....	4
Stearns County—			
St. Cloud.....	2	<b>South Carolina:</b>	
Waite Park.....	1	York County.....	1
Steele County—		<b>Ohio (Feb. 1-28):</b>	
Owatonna.....	1	Ashtabula County—	
Winona County—		Ashtabula.....	3
Winona.....	1		
Wright County—			
Buffalo.....	1		
Total.....	75		

## CEREBROSPINAL MENINGITIS—Continued.

## Ohio Reports for February and March, 1917.

Place.	New cases reported.	Place.	New cases reported.
Ohio (Feb. 1-28)—Continued.		Ohio (Mar. 1-31)—Continued.	
Cuyahoga County—		Hamilton County—	8
Cleveland.....	10	Cincinnati.....	
Jefferson County.....	2	Lorain County—	1
Lucas County.....	3	Lorain.....	
Madison County.....	1	Lucas County—	2
Mahoning County—		Toledo.....	4
Youngstown.....	2	Mahoning County.....	1
Miami County.....	1	Monroe County.....	4
Montgomery County—		Montgomery County.....	2
Dayton.....	1	Ottawa County.....	2
Summit County.....	11	Pike County.....	
Trumbull County.....	2	Richland County—	1
Total.....	36	Mansfield.....	1
Ohio (Mar. 1-31):		Ross County.....	
Ashtabula County.....	3	Scioto County—	1
Clermont County.....	1	Portsmouth.....	
Cuyahoga County.....	27	Seneca County—	1
Franklin County—		Fostoria.....	7
Columbus.....	3	Stark County.....	29
Gallia County—		Summit County.....	1
Gallipolis.....	1	Trumbull County.....	
		Total.....	100

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Ann Arbor, Mich.....	1		Galveston, Tex.....	1	
Baltimore, Md.....	8	6	Hartford, Conn.....	4	1
Boston, Mass.....	1	3	Indianapolis, Ind.....	1	
Bridgeport, Conn.....		1	Kansas City, Kans.....	3	
Brockton, Mass.....	1	1	Los Angeles, Cal.....	2	1
Buffalo, N. Y.....	2	2	Milwaukee, Wis.....	1	
Canton, Ohio.....	1		Minneapolis, Minn.....	3	
Chelsea, Mass.....	1		Newark, N. J.....	5	1
Chicago, Ill.....	22	9	New Britain, Conn.....		1
Chicopee, Mass.....	1		New York, N. Y.....	9	5
Cincinnati, Ohio.....	1	1	Niagara Falls, N. Y.....	1	1
Cleveland, Ohio.....	4	1	Orange, N. J.....	2	1
Columbus, Ohio.....	1	1	Philadelphia, Pa.....	21	14
Dayton, Ohio.....	1	1	Pittsburgh, Pa.....	2	3
Detroit, Mich.....	6	3	Pittsfield, Mass.....		1
East Orange, N. J.....	2		St. Louis, Mo.....	9	2
Elizabeth, N. J.....	2		Springfield, Mass.....	1	1
Erie, Pa.....	1		Troy, N. Y.....		1
Ft. Wayne, Ind.....	1	1	Washington, D. C.....	3	2
Ft. Worth, Tex.....		1	Zanesville, Ohio.....	2	

## DIPHTHERIA.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 1058.

## ERYSIPELAS.

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Allentown, Pa.	2		Los Angeles, Cal.	4	1
Baltimore, Md.	2	1	Madison, Wis.		1
Boston, Mass.		2	Melrose, Mass.		1
Buffalo, N. Y.	3	2	Milwaukee, Wis.	4	
Chicago, Ill.	20	4	Nashville, Tenn.	1	
Cincinnati, Ohio.	1		Newark, N. J.	9	
Cleveland, Ohio.	7		New London, Conn.	1	
Coffeyville, Kans.	1		New York, N. Y.		10
Dayton, Ohio.	1	1	Niagara Falls, N. Y.	2	
Denver, Colo.	1	1	Philadelphia, Pa.	9	2
Detroit, Mich.	6	2	Pittsburgh, Pa.	16	1
Duluth, Minn.	1		Portland, Oreg.	1	
Green Bay, Wis.		1	Reading, Pa.	1	
Hartford, Conn.	1		Rochester, N. Y.	3	
Kalamazoo, Mich.	3		St. Louis, Mo.	12	4
Kansas City, Mo.	1		Sandusky, Ohio.	1	1
Lancaster, Pa.	1		Washington, Pa.	1	

## LEPROSY.

## Oregon—Klamath Falls.

Dr. Warren Hunt, health officer of the city and county of Klamath Falls, Oreg., reported that on June 14, 1917, a case of leprosy of the tubercular type was notified at Klamath Falls, in the person of J. S., aged 22 years, male, native of Italy, had been in the United States about six years and at Klamath Falls about six weeks. The patient had lived in Spokane, Wash., before going to Klamath Falls.

## City Report for Week Ended June 9, 1917.

During the week ended June 9, 1917, one case of leprosy was reported in Los Angeles, Cal.

## MALARIA.

## State Reports for May, 1917.

Place.	New cases reported.	Place.	New cases reported.
Kansas:		Mississippi—Continued.	
Cowley County—		Clarke County	37
Winfield	1	Clay County	85
Sumner County—		Coahoma County	494
Ashton (R. D.)	1	Columbia County	130
Total	2	Covington County	117
Minnesota:		De Soto County	52
Hennepin County—		Forrest County	167
Minneapolis	1	Franklin County	89
Mississippi:		George County	29
Adams County	56	Greene County	30
Alcorn County	69	Grenada County	40
Amite County	50	Hancock County	89
Attala County	113	Harrison County	125
Benton County	25	Hinds County	307
Bolivar County	620	Holmes County	332
Calhoun County	183	Itawamba County	107
Carroll County	114	Jackson County	46
Choctaw County	42	Jasper County	95
Claiborne County	83	Jefferson County	107
		Jefferson Davis County	40
		Jones County	185
		Kemper County	63

## MALARIA—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Mississippi—Continued.		Mississippi—Continued.	
Lafayette County.....	75	Union County.....	83
Lamar County.....	57	Walthall County.....	32
Lauderdale County.....	140	Warren County.....	216
Lawrence County.....	96	Washington County.....	361
Leake County.....	82	Wayne County.....	58
Lee County.....	204	Webster County.....	35
Leflore County.....	419	Wilkinson County.....	16
Lincoln County.....	97	Winston County.....	162
Lowndes County.....	41	Yalobusha County.....	87
Madison County.....	67	Yazoo County.....	452
Marion County.....	141		
Marshall County.....	128	Total.....	9,587
Monroe County.....	46		
Montgomery County.....	49	New Jersey:	
Newton County.....	59	Bergen County.....	1
Noxubee County.....	57	Burlington County.....	5
Oktibbeha County.....	75	Camden County.....	1
Panola County.....	187	Essex County.....	2
Pearl River County.....	43	Hudson County.....	1
Perry County.....	100	Middlesex County.....	1
Pike County.....	71	Passaic County.....	4
Pontotoc County.....	72	Somerset.....	2
Prentiss County.....	88		
Quitman County.....	102	Total.....	17
Rankin County.....	46		
Scott County.....	90	South Carolina:	
Sharkey County.....	126	Beaufort County.....	14
Simpson County.....	119	Chester County.....	3
Smith County.....	80	Laurens County.....	1
Stone County.....	17	Marion County.....	12
Sunflower County.....	524	Orangeburg County.....	6
Tate County.....	202	Williamsburg County.....	1
Tippah County.....	90		
Tishomingo.....	49	Total.....	37
Tunica County.....	125		

## Ohio Report for February, 1917.

During the month of February, 1917, one case of malaria was reported in Cincinnati, Hamilton County, Ohio.

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala.....	2	.....	Newark, N. J.....	1	.....
Boston, Mass.....	1	.....	Philadelphia, Pa.....	1	.....
Fall River, Mass.....	1	.....	Richmond, Va.....		1
Los Angeles, Cal.....	1	.....			

## MEASLES.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 1053.



## PELLAGRA.

## State Reports for May, 1917.

Place.	New cases reported.	Place.	New cases reported.
<b>Kansas:</b>		<b>Mississippi—Continued.</b>	
Cowley County—		Marion County.....	25
Winfield.....	1	Marshall County.....	24
Crawford County—		Monroe County.....	6
Pittsburg.....	3	Newton County.....	1
Sedgwick County—		Noxubee County.....	22
Wichita.....	2	Oktibbeha County.....	6
Stevens County—		Panola County.....	22
Hugoton.....	1	Pearl River County.....	22
Total.....	7	Perry County.....	25
		Pike County.....	24
<b>Minnesota:</b>		Pontotoc County.....	7
Olmsted County—		Prentiss County.....	15
Rochester.....	1	Quitman County.....	40
		Rankin County.....	2
<b>Mississippi:</b>		Scott County.....	32
Adams County.....	17	Sharkey County.....	9
Alcorn County.....	15	Simpson County.....	4
Amite County.....	3	Smith County.....	1
Attala County.....	7	Stone County.....	3
Benton County.....	3	Sunflower County.....	63
Calhoun County.....	12	Tate County.....	27
Carroll County.....	3	Tippah County.....	4
Choctaw County.....	1	Tishomingo County.....	12
Chalborne County.....	7	Tunica County.....	54
Clarke County.....	3	Union County.....	5
Clay County.....	5	Walthall County.....	9
Coahoma County.....	125	Warren County.....	19
Copiah County.....	48	Washington County.....	59
Covington County.....	16	Wayne County.....	19
De Soto County.....	35	Webster County.....	1
Forrest County.....	36	Wilkinson County.....	5
Franklin County.....	4	Winston County.....	7
George County.....	11	Yalobusha County.....	8
Greene County.....	29	Yazoo County.....	50
Grenada County.....	1		
Hancock County.....	6	Total.....	1,610
Harrison County.....	27		
Hinds County.....	87	<b>South Carolina:</b>	
Holmes County.....	30	Anderson County.....	3
Itawamba County.....	13	Cherokee County.....	1
Jackson County.....	16	Chester County.....	2
Jasper County.....	10	Fairfield County.....	1
Jefferson County.....	4	Greenville County.....	4
Jefferson Davis County.....	5	Kershaw County.....	4
Jones County.....	103	Lancaster County.....	3
Kemper County.....	8	Laurens County.....	2
Lamar County.....	23	Marion County.....	3
Lauderdale County.....	51	Orangeburg County.....	1
Lawrence County.....	11	Richland County.....	2
Leake County.....	3	Saluda County.....	1
Lee County.....	42	Spartanburg County.....	16
Le Flore County.....	77	Union County.....	1
Lincoln County.....	27	York County.....	1
Lowndes County.....	12		
Madison County.....	42	Total.....	42

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala.....	4		Nashville, Tenn.....	11	1
Charleston, S. C.....		2	New Orleans, La.....	2	1
Kansas City, Mo.....		1	Richmond, Va.....	1	1
Memphis, Tenn.....	3	1	Taunton, Mass.....	1	
Mobile, Ala.....	3	1	Wilmington, N. C.....		1

## PLAGUE.

## California—Plague-Infected Squirrels Found.

Passed Asst. Surg. Williams reported the finding of plague-infected ground squirrels in California as follows: In Alameda County during the period from June 4 to 16, 1917, 10 infected squirrels were found in Township 2, all having been found within a radius of 6 miles of Altamont, mostly to the east and northeast of the town. In San Benito County on June 7 two infected squirrels were found on the B. D. Sindel ranch, 3 miles south of Paicines. In Santa Cruz County on May 29 two infected squirrels were found on the Bauman ranch, 8 miles east of Watsonville.

## Hawaii—Paauhau.

Surg. Trotter reported the occurrence of two fatal cases of plague at Paauhau, Hawaii, as follows: A stableman at the Paauhau Mill Camp died of plague June 19, and a Japanese rat trapper died of the disease June 23, 1917.

## Hawaii—Paauhau—Plague-Infected Rat Found.

Surg. Trotter reported that a plague-infected rat was found at the Paauhau Mill Camp, Paauhau, Hawaii, June 14, 1917

## PNEUMONIA.

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Altoona, Pa.	1	.....	Lima, Ohio	1	.....
Baltimore, Md.	6	11	Lincoln, Nebr.	1	.....
Beaver Falls, Pa.	2	.....	Los Angeles, Cal.	7	4
Binghampton, N. Y.	1	6	Lowell, Mass.	2	.....
Boston, Mass.	25	17	Lynn, Mass.	1	3
Braddock, Pa.	2	.....	Manchester, N. H.	1	1
Cambridge, Mass.	1	5	McKeesport, Pa.	1	1
Canton, Ohio	1	1	Newark, N. J.	31	9
Chelsea, Mass.	1	.....	New Bedford, Mass.	2	2
Chicago, Ill.	165	85	Newburyport, Mass.	1	.....
Cincinnati, Ohio	2	7	New Castle, Pa.	2	.....
Cleveland, Ohio	17	26	Newton, Mass.	1	.....
Dayton, Ohio	2	2	North Adams, Mass.	1	.....
Detroit, Mich.	6	24	Philadelphia, Pa.	77	44
Dubuque, Iowa	3	3	Pittsburgh, Pa.	22	24
Duluth, Minn.	2	3	Pontiac, Mich.	3	1
Fall River, Mass.	4	2	Reading, Pa.	1	2
Flint, Mich.	3	.....	Rochester, N. Y.	10	2
Harrisburg, Pa.	1	4	San Diego, Cal.	1	.....
Haverhill, Mass.	5	1	San Francisco, Cal.	4	6
Jackson, Mich.	2	.....	Schenectady, N. Y.	3	.....
Kalamazoo, Mich.	5	4	Somerville, Mass.	1	.....
Kansas City, Mo.	2	5	Springfield, Mass.	1	3
Lancaster, Pa.	1	.....	Steelton, Pa.	4	.....

## POLIOMYELITIS (INFANTILE PARALYSIS).

## Vermont.

Collaborating Epidemiologist Dalton reported that during the period from June 16 to 22, 1917, nine cases of poliomyelitis, with 1 death, were notified in Vermont as follows: Montpelier, 4; Barre, 2; Waitsfield, 3 cases, 1 death.

## State Reports for May, 1917.

Place.	New cases reported.	Place.	New cases reported.
<b>Kansas:</b>		<b>Montana—Continued.</b>	
Cherokee County—		Teton County.....	1
Galena.....	1	Toole County.....	5
Douglas County—		Total.....	9
Eudora (R. D.).....	1		
Grant County—		<b>New Jersey:</b>	
Sullivan Township.....	1	Camden County.....	2
Sedgwick County—		Essex County.....	9
Wichita.....	1	Hudson County.....	2
Total.....	4	Total.....	13
<b>Louisiana:</b>		<b>Ohio:</b>	
Caddo Parish.....	1	Ashtabula County.....	2
<b>Maine:</b>		Cuyahoga County—	
Franklin County—		Cleveland.....	1
Wilton (town).....	1	Greene County.....	1
<b>Michigan:</b>		Hamilton County.....	3
Berrien County—		Knox County.....	1
Benton Harbor.....	2	Madison County.....	1
Kent County—		Montgomery County—	
Grand Rapids.....	1	Dayton.....	2
Total.....	3	Pickaway County.....	1
<b>Minnesota:</b>		Portage County.....	2
Blue Earth County—		Scioto County.....	2
Rapidian Township.....	1	Summit County—	
Brown County—		Akron.....	2
Linden Township.....	1	Trumbull County.....	1
Hennepin County—		Tuscarawas County.....	1
Minneapolis.....	1	Total.....	20
Kittson County—		<b>Pennsylvania:</b>	
Hallock.....	1	Bucks County.....	1
Lac qui Parle County—		Cambria County.....	1
Garfield Township.....	1	Delaware County.....	2
Mahnomen County—		Lancaster County.....	1
Government saw mill, Elbow		Lawrence County.....	1
Lakes.....	1	Philadelphia County.....	1
Steele County—		Total.....	7
Owatonna.....	1	<b>Rhode Island:</b>	
Total.....	7	Kent County—	
<b>Mississippi:</b>		West Warwick (town).....	1
Harrison County.....	1	Providence County—	
Kemper County.....	1	Burrillville (town).....	1
Monroe County.....	1	Total.....	2
Wilkinson County.....	2		
Total.....	5	<b>South Carolina:</b>	
<b>Montana:</b>		Chesterfield County.....	2
Carbon County.....	2	Marlboro County.....	1
Madison County.....	1	Pickens County.....	1
		Total.....	4

**POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.****Ohio Reports for February and March, 1917.**

Place.	New cases reported.	Place.	New cases reported.
Ohio (Feb. 1-28):		Ohio (Mar. 1-31):	
Cuyahoga County—		Columbiana County.....	1
Cleveland.....	2	Lucas County—	
Lucas County—		Toledo.....	1
Toledo.....	1	Scioto County—	
Mercer County.....	1	Portsmouth.....	1
Montgomery County—		Stark County—	
Dayton.....	2	Alliance.....	1
Scioto County.....	1	Trumbull County.....	1
Summit County—		Vinton County.....	1
Akron.....	2	Total.....	6
Wood County.....	1		
Total.....	10		

**City Reports for Week Ended June 9, 1917.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Boston, Mass.....	1		New York, N. Y.....	5	1
Buffalo, N. Y.....	1		Perth Amboy, N. J.....	1	
Cambridge, Mass.....	1	1	Portsmouth, N. H.....	1	
Columbus, Ohio.....		1	Sioux City, Iowa.....	1	
Grand Rapids, Mich.....		1	Springfield, Ill.....	1	
Indianapolis, Ind.....	1		Worcester, Mass.....	2	1
Long Beach, Cal.....	1				

**RABIES IN ANIMALS.****City Reports for Week Ended June 9, 1917.**

During the week ended June 9, 1917, 1 case of rabies in animals was reported in Buffalo, N. Y., and 2 cases were reported in Detroit, Mich.

**ROCKY MOUNTAIN SPOTTED FEVER.****Montana Report for May, 1917.**

Place.	New cases reported.	Place.	New cases reported.
Montana:		Montana:	
Carbon County.....	4	Ravalli County.....	2
Custer County.....	1	Yellowstone County.....	2
Fergus County.....	1	Billings.....	2
Lewis and Clark County—		Total.....	14
Helena.....	1		
Missoula County.....	1		

**SCARLET FEVER.**

See Diphtheria, measles, scarlet fever, and tuberculosis, page 1053.

## SMALLPOX.

## Minnesota.

Collaborating Epidemiologist Bracken reported that during the week ended June 23, 1917, five new foci of smallpox infection were reported in Minnesota, cases of the disease having been notified as follows: Fillmore County, Newburg Township, 1; Goodhue County, Pine Island, 2; Martin County, Pleasant Prairie Township, 1; Roseau County, Huss Township, 1; Stearns County, Eden Lake Township, 1.

## New Jersey—Burlington County—Correction.

The report of one case of smallpox in Burlington County, N. J., during the month of March, 1917, published in the Public Health Reports of April 27, 1917, page 619, was an error, as no case of smallpox occurred in Burlington County during March.

## State Reports for May, 1917.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas:						
Atchison County—						
Atchison.....	2				2	
Muscotah.....	7				7	
Barton County—						
Great Bend.....	2				2	
Hoisington.....	10			2	8	
Bourbon County—						
Fort Scott.....	1				1	
Brown County—						
Everest (R. D.).....	1				1	
Horton.....	1				1	
Robinson.....	2				2	
Butler County—						
Eldorado.....	2				2	
Cherokee County—						
Columbus (R. D.).....	2				2	
Galena.....	1				1	
Coffey County—						
Leroy.....	1				1	
Crawford County—						
Arcadia.....	1				1	
Arma.....	5				5	
Cherokee (R. D.).....	1				1	
Franklin.....	13		1		12	
Frontenac.....	2				2	
Girard (2 R. D.).....	5				5	
Mulberry (1 R. D.).....	4		2		2	
Pittsburg (16 R. D.).....	18				18	
Ringo.....	1				1	
Yale.....	1				1	
Doniphan County—						
Elwood.....	22				22	
Herndon.....	1				1	
Severance (R. D.).....	3				3	
Wathena (R. D.).....	7		2		5	
Douglas County—						
Eudora (4 R. D.).....	13				13	
Ellis County—						
Ellis.....	1				1	
Hays.....	2		1		1	

## SMALLPOX—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Labette County—						
Parsons.....	1			1		
Leavenworth County—						
Leavenworth.....	1				1	
Lincoln County—						
Lincoln (R. D.).....	8				8	
Lyon County—						
Emporia.....	1				1	
Marion County—						
Marion (1 R. D.).....	2				2	
McPherson County—						
Marquette.....	6				6	
Miami County—						
Paola.....	5				5	
Mitchell County—						
Beloit.....	2				2	
Montgomery County—						
Coffeyville.....	2				2	
Independence.....	1				1	
Morris County—						
Council Grove.....	7				7	
Neosho County—						
Chanute.....	9				9	
Erie (R. D.).....	2				2	
Galesburg.....	1				1	
Ottawa County—						
Minneapolis (2 R. D.).....	8				8	
Pratt County—						
Pratt.....	1				1	
Reno County—						
Hutchinson.....	1				1	
Republic County—						
Belleville.....	1				1	
Rice County—						
Little River (1 R. D.).....	18				18	
Sterling.....	2				2	
Riley County—						
Manhattan.....	6				6	
Russell County—						
Russell (R. D.).....	3				3	
Sedgwick County—						
Garden Plain (R. D.).....	2				2	
Wichita.....	12				12	
Seward County—						
Liberal.....	6				6	
Shawnee County—						
Topeka.....	20				20	
Sheridan County—						
Selden (R. D.).....	4		2		2	
Smith County—						
Athol.....	1				1	
Lebanon.....	3				3	
Sumner County—						
Caldwell.....	5		1		4	
Washington County—						
Greenleaf.....	1				1	
Wyandotte County—						
Kansas City.....	4				4	
Total.....	278		9	3	266	
Michigan:						
Alcona County—						
Hayes Township.....	1					1
Harrisville Township.....	1				1	
Alpena County—						
Green Township.....	6				6	
Bay County—						
Fraser Township.....	1				1	



## SMALLPOX—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
<b>Michigan—Continued.</b>						
Berrien County—						
Bertrand Township.....	1				1	
St. Joseph Township.....	1				1	
Benton Harbor.....	3				3	
Niles.....	1				1	
Chippewa County—						
Sault Ste. Marie.....	2				2	
Genesee County—						
Argentine Township.....	2				2	
Linden.....	1				1	
Flint.....	10				7	3
Gratiot County—						
Emerson Township.....	4					4
Hamilton Township.....	1				1	
North Shade Township.....	3				3	
Ithaca.....	5				5	
Alma.....	3				2	1
Iosco County—						
East Tawas.....	2				2	
Ingham County—						
Lansing.....	20				2	18
Jackson County—						
Jackson.....	8				5	3
Kalkaska County—						
Orange Township.....	2				2	
Kent County—						
Gratton Township.....	2				2	
Wyoming Township.....	1					1
Grand Rapids.....	9				9	
Lapeer County—						
North Branch.....	1				1	
Livingston County—						
Deerfield Township.....	4				4	
Marquette County—						
Ishpeming.....	2				1	1
Marquette.....	1					1
Mecosta County—						
Deerfield Township.....	5				5	
Fork Township.....	10				10	
Millbrook Township.....	6				6	
Barryton.....	8				8	
Big Rapids.....	5				5	
Monroe County—						
Monroe.....	1				1	
Newago County—						
Ashland Township.....	1			1		
Oakland County—						
Birmingham.....	3			1	2	
Pontiac.....	23				23	
Ottawa County—						
Aliendale Township.....	1				1	
Blendon Township.....	4				2	2
Olive Township.....	2				2	
Presque Isle County—						
Allis Township.....	1				1	
St. Clair County—						
Columbus Township.....	1				1	
Cottrellville Township.....	1				1	
Kimball Township.....	2				2	
Port Huron Township.....	4				4	
St. Clair Township.....	2				2	
Port Huron.....	3				3	
Washtenaw County—						
Ann Arbor.....	1				1	
Wayne County—						
Ecorse Township.....	2				2	
Highland Park Township.....	5				2	3
St. Clair Heights.....	2				2	
<b>Total.....</b>	<b>191</b>			<b>2</b>	<b>151</b>	<b>38</b>

## SMALLPOX—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
<b>Minnesota:</b>						
Anoka County—						
Centreville Township.....	4				4	
Becker County—						
Cuba Township.....	1				1	
Blue Earth County—						
Lake Crystal.....	1				1	
Brown County—						
New Ulm.....	1				1	
Crow Wing County—						
Ironton.....	1					1
Klondyke Township.....	1				1	
Douglas County—						
Alexandria.....	1				1	
Carlos Township.....	3				3	
Hennepin County—						
Edina.....	1					1
Minneapolis.....	162		4	14	134	
Bloomington Township.....	1				1	
Eden Prairie Township.....	1				1	
Hubbard County—						
Akeley.....	3				3	
Itasca County—						
Bovey.....	6			1		5
Marble.....	1				1	
Kanabec County—						
Ann Lake Township.....	1				1	
Kittson County—						
Hallock.....	3				3	
Lincoln County—						
Arco.....	2				2	
Lake Benton.....	1				1	
Tyler.....	1				1	
Hope Township.....	8				8	
Lyon County—						
Ballaton.....	1				1	
Custer Township.....	1				1	
Marshall County—						
Alma Township.....	1				1	
Wright Township.....	1					1
Martin County—						
Fairmont.....	1				1	
Meeker County—						
Harvey Township.....	3				3	
Morrison County—						
Belle Prairie Township.....	1				1	
Swan River Township.....	1				1	
Nobles County—						
Worthington.....	2				2	
Olmsted County—						
Rochester.....	6				6	
Stewartville.....	2				2	
Ottertail County—						
Parkers Prairie.....	2				1	1
Pennington County—						
Thief River Falls.....	6		1	1	4	
Polk County—						
Crookston.....	2				2	
Ramsey County—						
St. Paul.....	12			1	11	
Roseau County—						
Barto Township.....	1				1	
St. Louis County—						
Duluth.....	6			2	4	
Sherburne County—						
Elk River.....	1				1	
Stearns County—						
St. Cloud.....	2				2	
Sauk Center.....	2				2	
Steele County—						
Blooming Prairie.....	1				1	

## SMALLPOX—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Minnesota—Continued.						
Swift County—						
Benson.....	4				4	
Todd County—						
Staples.....	4				4	
Bruce Township.....	3				3	
Ward Township.....	1				1	
Wadena County—						
Verndale.....	1				1	
Washington County—						
Forest Lake.....	1				1	
Watsonwan County—						
Butterfield.....	1				1	
St. James.....	1			1		
Wilkin County—						
Campbell Township.....	1				1	
Winona County—						
Winona.....	3				3	
Hart Township.....	1			1		
Mount Vernon Township..	1		1			
Norton Township.....	3				3	
Total.....	274		6	21	238	9
Montana:						
Cascade County—						
Great Falls.....	1					1
Chouteau County.....	2				2	
Custer County.....	1				1	
Dawson County.....	2				2	
Fergus County.....	1				1	
Hill County.....	4					4
Lincoln County.....	2				2	
Meagher County.....	1					1
Musselshell County.....	1				1	
Phillips County.....	4				4	
Rosebud County.....	1					1
Sheridan County.....	3				3	
Silverbow County.....	9					9
Butte.....	25					25
Valley County.....	7				7	
Fort William H. Harrison..	1					1
Total.....	65				23	42
Ohio:						
Allen County.....	7				6	1
Adams County.....	4				4	
Belmont County.....	7				6	1
Butler County.....	75		1		63	11
Clark County.....	4					4
Clinton County.....	2				1	1
Coshocton County.....	3				3	
Crawford County.....	3				2	1
Cuyahoga County.....	63					63
Darke County.....	7				5	2
Erie County.....	1					1
Fayette County.....	1					1
Franklin County.....	2				2	
Greene County.....	14				14	
Guernsey County.....	2					2
Hamilton County.....	5					5
Hancock County.....	17				7	10
Hardin County.....	10				5	5
Huron County.....	1					1
Lake County.....	2					2
Logan County.....	12				2	10
Lorain County.....	2				2	
Lucas County.....	4					4
Madison County.....	1					1
Mahoning County.....	5			1	4	

## SMALLPOX—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio—Continued.						
Marion County.....	1					1
Mercer County.....	19					19
Miami County.....	20				8	12
Montgomery County.....	1					1
Morrow County.....	11				9	2
Muskingum County.....	3				3	
Perry County.....	1					1
Preble County.....	4				2	2
Scioto County.....	1					1
Shelby County.....	20				15	5
Stark County.....	8				4	4
Summit County.....	52				10	42
Trumbull County.....	31			1	6	24
Williams County.....	2					2
Total.....	428		1	2	183	242

## Ohio Reports for February and March, 1917.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio (Feb. 1-28):						
Allen County—						
Lima.....	1				1	
Ashtabula County.....	5				2	3
Belmont County.....	2					2
Clark County.....	10				9	1
Coshocton County.....	1					1
Cuyahoga County.....	53					53
Darke County.....	2			1	1	
Erie County—						
Sandusky.....	1					1
Fayette County—						
Washington C. H.....	1				1	
Franklin County—						
Columbus.....	2				2	
Geauga County.....	3				3	
Harrison County.....	3			1	2	
Highland County.....	1				1	
Jefferson County—						
Steubenville.....	1				1	
Lorain County—						
Lorain.....	1				1	
Madison County.....	3				3	
Mahoning County—						
Youngstown.....	9					9
Medina County.....	1					1
Miami County.....	19			3	14	2
Montgomery County.....	1					1
Morrow County.....	11				11	
Muskingum County.....	3				1	2
Perry County.....	1					1
Portage County.....	1			1		
Seneca County—						
Fostoria.....	5				4	1
Shelby County.....	3			1		2

## SMALLPOX—Continued.

## Ohio Reports for February and March—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio (Feb. 1-28)—Continued.						
Stark County—						
Canton.....	1					1
Summit County.....	24				13	11
Trumbull County.....	15				1	14
Williams County.....	1					1
Wood County.....	5				1	4
Lucas County—						
Toledo.....	15					15
Total.....	205			7	72	126
Ohio (Mar. 1-31):						
Allen County—						
Lima.....	27				27	
Ashtabula County—						
Conneaut.....	2				2	
Auglaize County—						
Wapakoneta.....	1				1	
Butler County—						
Middletown.....	9				8	1
Champaign County.....	4					4
Clark County.....	14					14
Crawford County—						
Bucyrus.....	4				4	
Cuyahoga County—						
Cleveland.....	53					53
Darke County.....	24			3	16	5
Franklin County—						
Columbus.....	3				1	2
Hamilton County—						
Cincinnati.....	3					3
Holmes County.....	1					1
Jefferson County—						
Steubenville.....	1				1	
Knox County—						
Mt. Vernon.....	2			1		1
Lawrence County—						
Ironton.....	1				1	
Licking County—						
Newark.....	4				4	
Lucas County—						
Toledo.....	2				2	
Mahoning County.....	29				1	28
Medina County.....	1				1	
Miami County.....	42			4	13	25
Montgomery County.....	1				1	
Morrow County.....	1					1
Muskingum County—						
Zanesville.....	7				6	1
Perry County.....	2					2
Pike County.....	1					1
Portage County.....	2				1	1
Shelby County.....	26				6	20
Stark County.....	2			1		1
Summit County.....	20				2	18
Trumbull County.....	19		1	1	6	11
Total.....	308		1	10	104	193

## SMALLPOX—Continued.

## Miscellaneous State Reports.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Louisiana (May 1-31):</b>			<b>Mississippi (1-31)—Continued.</b>		
Ascension Parish.....	2	.....	Newton County.....	1	.....
Caddo Parish.....	2	.....	Noxubee County.....	4	.....
Calcasieu Parish.....	12	.....	Oktibbeha County.....	1	.....
Iberia Parish.....	2	.....	Panola County.....	2	.....
Jackson Parish.....	5	.....	Pearl River County.....	1	.....
Jefferson Parish.....	2	.....	Perry County.....	5	.....
Orleans Parish.....	26	.....	Pike County.....	1	.....
Rapides Parish.....	5	.....	Pontotoc County.....	1	.....
St. James Parish.....	2	.....	Quitman County.....	4	.....
St. Tammany Parish.....	2	.....	Sunflower County.....	2	.....
Tangipahoa Parish.....	31	.....	Tate County.....	5	.....
Vernon Parish.....	7	.....	Tippah County.....	2	.....
Washington Parish.....	3	.....	Tunica County.....	7	.....
Winn Parish.....	1	.....	Union County.....	4	.....
<b>Total.....</b>	<b>102</b>		Walthall County.....	2	.....
			Warren County.....	5	.....
			Washington County.....	1	.....
			<b>Total.....</b>	<b>170</b>	
<b>Maine (May 1-31):</b>			<b>New Jersey (May 1-31):</b>		
Penobscot County—			Essex County.....	1	.....
Bangor.....	2	.....			
Millinocket (town).....	6	.....	<b>Pennsylvania (May 1-31):</b>		
Piscataquis County.....	2	.....	Allegheny County.....	9	.....
Greenville (town).....	1	.....	Beaver County.....	5	.....
Washington County—			Bedford County.....	3	.....
Danforth (town).....	1	.....	Blair County.....	1	.....
<b>Total.....</b>	<b>11</b>		Clearfield County.....	1	.....
			Crawford County.....	2	.....
<b>Mississippi (May 1-31):</b>			Dauphin County.....	3	.....
Adams County.....	3	.....	Erie County.....	9	.....
Alcorn County.....	6	.....	Forest County.....	2	.....
Attala County.....	5	.....	Indiana County.....	1	.....
Bolivar County.....	2	.....	Lawrence County.....	17	.....
Clarke County.....	1	.....	Mercer County.....	9	.....
Copiah County.....	2	.....	Northampton County.....	1	.....
De Soto County.....	1	.....	Philadelphia County.....	6	.....
Grenada County.....	6	.....	<b>Total.....</b>	<b>69</b>	
Hinds County.....	1	.....			
Holmes County.....	2	.....	<b>South Carolina (May 1-31):</b>		
Jefferson Davis County.....	1	.....	Greenwood County.....	1	.....
Jones County.....	57	.....	Spartanburg County.....	1	.....
Lawrence County.....	1	.....	York County.....	1	.....
Lafayette County.....	1	.....	<b>Total.....</b>	<b>3</b>	
Lauderdale County.....	8	.....			
Lee County.....	10	.....			
LeFlore County.....	2	.....			
Madison County.....	3	.....			
Marshall County.....	10	.....			

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Cal.....	1	.....	La Crosse, Wis.....	2	.....
Albany, N. Y.....	4	.....	Little Rock, Ark.....	12	.....
Ann Arbor, Mich.....	1	.....	Los Angeles, Cal.....	3	.....
Birmingham, Ala.....	1	.....	Madison, Wis.....	1	.....
Butte, Mont.....	3	.....	Memphis, Tenn.....	11	.....
Canton, Ohio.....	3	.....	Milwaukee, Wis.....	12	.....
Cincinnati, Ohio.....	2	.....	Minneapolis, Minn.....	32	.....
Cleveland, Ohio.....	13	.....	New Orleans, La.....	1	.....
Coffeyville, Kans.....	2	.....	Oklahoma City, Okla.....	5	.....
Danville, Ill.....	1	.....	Omaha, Nebr.....	8	.....
Denver, Colo.....	2	.....	Pontiac, Mich.....	7	.....
Detroit, Mich.....	10	.....	Quincy, Ill.....	1	.....
Dubuque, Iowa.....	2	.....	Rocky Mount, N. C.....	1	.....
Duluth, Minn.....	1	.....	St. Joseph, Mo.....	10	.....
Erie, Pa.....	5	.....	St. Louis, Mo.....	9	2
Evansville, Ind.....	1	.....	Salt Lake City, Utah.....	7	.....
Flint, Mich.....	1	.....	Sioux City, Iowa.....	4	.....
Fort Wayne, Ind.....	3	.....	Springfield, Ill.....	4	.....
Fort Worth, Tex.....	1	.....	Steubenville, Ohio.....	1	.....
Indianapolis, Ind.....	18	.....	Terre Haute, Ind.....	2	.....
Jackson, Mich.....	1	.....	Wichita, Kans.....	2	.....
Kansas City, Kans.....	1	.....	Worcester, Mass.....	1	.....
Kansas City, Mo.....	8	.....	Zanesville, Ohio.....	3	.....



## TETANUS.

## City Reports for Week Ended June 9, 1917.

During the week ended June 9, 1917, 1 case of tetanus was reported in Danville, Ill.; 1 case in Lancaster, Pa; 1 death in Los Angeles, Cal.; 2 cases in New York, N. Y.; and 1 case, with 2 deaths, in Philadelphia, Pa.

## TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, p. 1058.

## TYPHOID FEVER.

## State Reports for May, 1917.

Place.	New cases reported.	Place.	New cases reported.
<b>Kansas:</b>		<b>Louisiana:</b>	
Atchison County—		Acadia Parish.....	5
Atchison.....	5	Ascension Parish.....	2
Barton County—		Assumption Parish.....	1
Dighton (R. D.).....	1	Avoyelles Parish.....	3
Great Bend.....	1	Caddo Parish.....	6
Brown County—		Calcasieu Parish.....	5
Hiawatha.....	1	De Soto Parish.....	1
Morrill (R. D.).....	2	East Baton Rouge Parish.....	3
Butler County—		East Feliciana Parish.....	1
Augusta.....	1	Evangeline Parish.....	2
Douglas.....	1	Grant Parish.....	5
Eldorado.....	1	Iberia Parish.....	3
Cowley County—		Iberville Parish.....	1
Winfield.....	2	Jefferson Davis Parish.....	4
Crawford County—		Lafayette Parish.....	4
Arma.....	1	Lafourche Parish.....	2
Girard.....	1	Lincoln Parish.....	1
Doniphan County—		Livingston Parish.....	3
Severance (R. D.).....	1	Madison Parish.....	5
Douglas County—		Morehouse Parish.....	1
Clinton (R. D.).....	1	Orleans Parish.....	11
Lawrence.....	1	Plaquemines Parish.....	1
Finney County—		Rapides Parish.....	2
Garden City.....	1	Sabine Parish.....	1
Greenwood County—		St. Charles Parish.....	1
Madison.....	1	St. James Parish.....	4
Harper County—		St. Landry Parish.....	5
Anthony.....	1	St. Martin Parish.....	5
Johnson County		St. Mary Parish.....	4
Olathe.....	2	St. Tammany Parish.....	3
Leavenworth County—		Tangipahoa Parish.....	2
Leavenworth (5 R. D.).....	9	Vermillion Parish.....	2
Lyon County—		Vernon Parish.....	1
Olpe (R. D.).....	1	Washington Parish.....	1
Marion County—		Webster Parish.....	1
Lincolnton.....	1	West Carroll Parish.....	1
Marshall County—		Total.....	103
Frankfort.....	1		
Miami County—		<b>Maine:</b>	
Oswatimie.....	2	Aroostook County—	
Montgomery County—		Caribou (town).....	1
Caney.....	2	Houlton (town).....	1
Colleyville (2 R. D.).....	3	Cumberland County—	
Morton County—		Brunswick (town).....	2
Elkhart.....	2	Portland.....	7
Osborne County—		Kennebec County—	
Osborne.....	1	Augusta.....	1
Republic County—		Litchfield (town).....	2
Scandia (R. D.).....	1	Piscataquis County—	
Russell County—		Dover (town).....	1
Bunker Hill.....	1	Greenville (town).....	1
Sedgwick County—		York County—	
Wichita.....	1	South Berwick (town).....	1
Shawnee County—		Total.....	17
Rossville.....	1		
Topeka County.....	1	<b>Michigan:</b>	
Stevens County—		Bay County—	
Hugoton.....	1	Bay City.....	3
Total.....	53		

## TYPHOID FEVER—Continued.

## State Reports for May, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Michigan—Continued.</b>		<b>Minnesota—Continued.</b>	
Berrien County—		Cottonwood County—	
Benton Harbor.....	3	Mountain Lake.....	1
Niles.....	1	Douglas County—	
Branch County—		Solem Township.....	1
Union City.....	1	Hennepin County—	
Calhoun County—		Minneapolis.....	4
Battle Creek.....	1	St. Bonifacius.....	1
Marshall.....	1	Isle County—	
Cass County—		Two Harbors.....	1
Edwardsburg.....	1	Lesueur County—	
Chippewa County—		Kasota.....	1
Sault Ste. Marie.....	3	Mower County—	
Delta County—		Lyle.....	2
Gladstone.....	1	Nobles County—	
Emmet County—		Worthington.....	1
Littlefield Township.....	1	Norman County—	
Genesee County—		Perley.....	1
Flint.....	6	Ottertail County—	
Isabella County—		Buttler Township.....	1
Broomfield Township.....	1	Pennington County—	
Kalamazoo County—		Thief River Falls.....	1
Kalamazoo.....	1	Polk County—	
Kent County—		Crookston.....	1
Caledonia Township.....	2	Ramsey County—	
Grand Rapids.....	1	St. Paul.....	1
Livingston County—		Relwood County—	
Deerfield Township.....	1	Relwood Falls.....	1
Macomb County—		Granite Rock Township.....	1
Mount Clemens.....	1	Rice County—	
Manistee County—		Paribault.....	2
Copemish.....	1	Roseau County—	
Marquette County—		Rosevelt.....	1
Marquette.....	9	Warroad.....	1
Negaunee.....	1	St. Louis County—	
Mason County—		Aurora.....	1
Ludington.....	1	Duluth.....	3
Mecosta County—		Elv.....	1
Grant Township.....	1	Gilbert.....	1
Oakland County—		Stearns County—	
Pontiac.....	1	St. Cloud.....	1
Oceana County—		Steele County—	
Weare Township.....	1	Owatonna.....	1
Ontonagon County—		Wadena County—	
Rockland Township.....	1	Minnesota.....	1
Ottawa County—		Watowan County—	
Wright Township.....	2	Malilla.....	1
Saginaw County—		Wilkin County—	
St. Charles.....	1	Breckenridge.....	2
Saginaw.....	2	<b>Total.....</b>	<b>43</b>
St. Clair County—			
Port Huron.....	1	<b>Mississippi:</b>	
Sanilac County—		Adams County.....	4
Greenleaf Township.....	1	Alcorn County.....	1
Van Buren County—		Amite County.....	1
South Haven.....	1	Attala County.....	3
Wayne County—		Benton County.....	1
Monguagon Township.....	1	Bolivar County.....	4
Ford.....	2	Calhoun County.....	1
Highland Park.....	1	Carroll County.....	3
Wyandotte.....	7	Choctaw County.....	3
<b>Total.....</b>	<b>64</b>	Clarke County.....	1
		Clay County.....	2
<b>Minnesota:</b>		Coahoma County.....	4
Anoka County—		Copiah County.....	12
Ramsey Township.....	1	Covington County.....	12
Becker County—		De Soto County.....	1
Callaway.....	1	Forrest County.....	9
Beltrami County—		Franklin County.....	2
Spooner.....	1	Hancock County.....	2
Benton County—		Harrison County.....	8
St. Cloud.....	1	Hinds County.....	22
Blue Earth County—		Holmes County.....	2
Lyra Township.....	1	Jackson County.....	2
Chisago County—		Jasper County.....	2
Landstrom.....	1	Jefferson Davis County.....	3
Clay County—		Jones County.....	17
Moorhead.....	2	Kemper County.....	3

**TYPHOID FEVER—Continued.**  
**State Reports for May, 1917—Continued.**

Place.	New cases reported.	Place.	New cases reported.
<b>Mississippi—Continued.</b>		<b>Ohio:</b>	
Lafayette County.....	3	Ashtabula County.....	2
Lamar County.....	4	Auglaize County.....	2
Lauderdale County.....	8	Belmont County.....	6
Lawrence County.....	1	Butler County.....	1
Leake County.....	4	Champaign County.....	3
Lee County.....	5	Columbiana County.....	9
Leflore County.....	9	Crawford County—	
Lincoln County.....	13	Bucyrus.....	2
Lowndes County.....	1	Cuyahoga County.....	10
Madison County.....	11	Franklin County.....	5
Marion County.....	4	Guernsey County.....	1
Marshall County.....	9	Hamilton County.....	1
Monroe County.....	7	Henry County.....	2
Montgomery County.....	1	Holmes County.....	1
Newton County.....	1	Jefferson County.....	4
Noxubee County.....	6	Licking County.....	2
Oktibbeha County.....	4	Lorain County.....	2
Panola County.....	1	Lucas County.....	13
Pearl River County.....	3	Malison County.....	1
Perry County.....	5	Mahoning County.....	11
Pike County.....	22	Melina County.....	1
Pontotoc County.....	3	Meigs County.....	2
Quitman County.....	1	Montgomery County.....	5
Rankin County.....	1	Morrow County.....	1
Scott County.....	3	Muskingum County.....	23
Simpson County.....	1	Ottawa County.....	1
Smith County.....	1	Perry County.....	1
Stone County.....	1	Pickaway County—	
Tate County.....	3	Circleville.....	3
Tippah County.....	4	Portage County.....	1
Tishomingo County.....	5	Putnam County.....	2
Union County.....	1	Ross County.....	1
Warren County.....	5	Sandusky County.....	3
Washington County.....	10	Scioto County.....	3
Webster County.....	4	Seneca County.....	1
Wilkinson County.....	1	Summit County.....	16
Winston County.....	7	Tuscarawas County.....	3
Yalobusha County.....	5	Wayne County.....	1
Yazoo County.....	5	Wood County.....	2
		Wyandot County.....	2
<b>Total.....</b>	<b>308</b>	<b>Total.....</b>	<b>150</b>
<b>Montana:</b>		<b>Pennsylvania:</b>	
Blaine County.....	2	Adams County.....	3
Carbon County.....	1	Allegheny County.....	40
Cascade County—		Armstrong County.....	5
Great Falls.....	1	Beaver County.....	3
Dawson County.....	2	Bedford County.....	5
Gallatin County.....	1	Berks County.....	8
Hill County.....	1	Blair County.....	3
Meagher County.....	1	Bradford County.....	3
Musselshell County.....	2	Bucks County.....	9
Park County—		Butler County.....	1
Livingston.....	2	Cambria County.....	3
Sheridan County.....	1	Carbon County.....	1
Teton County.....	1	Center County.....	1
Yellowstone County—		Chester County.....	5
Billings.....	5	Clearfield County.....	6
<b>Total.....</b>	<b>20</b>	Clinton County.....	2
<b>New Jersey:</b>		Crawford County.....	1
Atlantic County.....	2	Cumberland County.....	2
Bergen County.....	2	Dauphin County.....	9
Burlington County.....	5	Delaware County.....	10
Camden County.....	4	Erie County.....	2
Cumberland County.....	2	Fayette County.....	7
Essex County.....	10	Forest County.....	1
Hudson County.....	4	Greene County.....	1
Hunterdon County.....	2	Huntingdon County.....	2
Mercer County.....	5	Lackawanna County.....	1
Middlesex County.....	1	Lancaster County.....	8
Passaic County.....	3	Lawrence County.....	2
Salem County.....	1	Lebanon County.....	5
Sussex County.....	1	Lehigh County.....	33
Union County.....	2	Luzerne County.....	8
		Lycoming County.....	1
<b>Total.....</b>	<b>44</b>	Mercer County.....	4
		Mifflin County.....	1
		Montgomery County.....	5

**TYPHOID FEVER—Continued.**  
**State Reports for May, 1917—Continued.**

Place.	New cases reported.	Place.	New cases reported.
<b>Pennsylvania—Continued.</b>		<b>Rhode Island—Continued.</b>	
Northampton County.....	4	Providence County—Continued.	
Northumberland County.....	2	Providence.....	3
Philadelphia County.....	42	Total.....	5
Schuylkill County.....	5		
Snyder County.....	1	<b>South Carolina:</b>	
Somerset County.....	7	Abbeville County.....	3
Susquehanna County.....	1	Charleston County.....	12
Tioga County.....	1	Chester County.....	3
Warren County.....	1	Greenville County.....	3
Westmoreland County.....	3	Greenwood County.....	2
York County.....	11	Laurens County.....	1
Total.....	279	Marlboro County.....	4
		Richland County.....	10
<b>Rhode Island:</b>		Sumter County.....	2
Providence County—		Union County.....	1
Johnston (town).....	1	Total.....	41
North Providence (town).....	1		

**Ohio Reports for February and March, 1917.**

Place.	New cases reported.	Place.	New cases reported.
<b>Ohio (Feb. 1-28):</b>		<b>Ohio (Feb. 1-28)—Continued.</b>	
Allen County—		Trumbull County.....	3
Lima.....	1	Tuscarawas County.....	1
Ashtabula County—		Van Wert County.....	2
Conneaut.....	2	Warren County.....	2
Brown County.....	1	Wayne County.....	1
Carroll County.....	5	Wood County.....	2
Champaign County.....	2	Wyandot County.....	1
Clark County—		Total.....	140
Springfield.....	5		
Columbiana County.....	5	<b>Ohio (Mar. 1-31):</b>	
Crawford County.....	19	Allen County—	
Cuyahoga County.....	8	Lima.....	1
Darke County.....	1	Ashtabula County.....	15
Delaware County—		Athens County.....	1
Delaware.....	2	Belmont County.....	2
Erie County—		Clermont County.....	2
Sandusky.....	1	Clinton County.....	1
Fayette County.....	2	Columbiana County.....	3
Franklin County.....	3	Coshocton County.....	1
Gallia County.....	3	Crawford County—	
Greene County.....	3	Bucyrus.....	24
Guernsey County—		Cuyahoga County.....	18
Cambridge.....	2	Dehance County.....	1
Hamilton County.....	5	Delaware County.....	1
Hancock County—		Franklin County—	
Findlay.....	1	Columbus.....	1
Hardin County.....	2	Gallia County.....	2
Highland County.....	3	Greene County.....	3
Jackson County—		Hamilton County.....	10
Wellston.....	1	Henry County.....	2
Jefferson County—		Jackson County—	
Steubenville.....	1	Wellston.....	1
Knox County.....	1	Knox County.....	1
Lawrence County—		Lawrence County.....	6
Ironton.....	3	Licking County.....	3
Licking County.....	1	Logan County.....	3
Lucas County.....	11	Lorain County.....	2
Mahoning County.....	9	Lucas County—	
Medina County.....	1	Toledo.....	13
Miami County.....	2	Mahoning County.....	1
Montgomery County—		Medina County.....	2
Dayton.....	2	Miami County.....	2
Muskingum County.....	13	Monroe County.....	1
Ottawa County.....	1	Montgomery County—	
Pike County.....	1	Dayton.....	3
Sandusky County.....	4		
Scioto County.....	1		

## TYPHOID FEVER—Continued.

## Ohio Reports for February and March, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Ohio (Mar. 1-31)—Continued.		Ohio (Mar. 1-31)—Continued.	
Muskingum County—		Trumbull County—	
Zanesville.....	18	Warren.....	2
Pickaway County.....	5	Tuscarawas County—	
Portage County.....	1	New Philadelphia.....	2
Putnam County.....	1	Williams County.....	1
Richland County.....	4	Wood County.....	2
Seneca County.....	5	Wyandot County.....	1
Stark County—		Total.....	172
Canton.....	2		
Summit County.....	2		

## City Reports for Week Ended June 9, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Cal.....		1	Morristown, N. J.....	1	1
Albany, N. Y.....	1		Nashville, Tenn.....	3	
Allentown, Pa.....	2		Newark, N. J.....	1	
Austin, Tex.....	1		New London, Conn.....	1	
Baltimore, Md.....	3		New Orleans, La.....	4	1
Berkeley, Cal.....	1		New York, N. Y.....	21	2
Birmingham, Ala.....	12		Oakland, Cal.....	1	
Boston, Mass.....	5	1	Ogden, Utah.....	1	
Buffalo, N. Y.....	1	1	Omaha, Nebr.....		1
Butler, Pa.....	1		Pasadena, Cal.....		
Charleston, S. C.....	2	1	Philadelphia, Pa.....	24	1
Chicago, Ill.....	6	2	Pittsburgh, Pa.....	6	
Cincinnati, Ohio.....	1		Portland, Me.....		1
Cleveland, Ohio.....	1		Providence, R. I.....	3	
Columbus, Ohio.....	3		Quincy, Mass.....	1	
Danville, Ill.....	1		Reading, Pa.....	2	
Dayton, Ohio.....	1		St. Joseph, Mo.....	1	
Denver, Colo.....	1		St. Louis, Mo.....	11	2
Detroit, Mich.....	3	1	San Francisco, Cal.....	2	
Duluth, Minn.....	1		Salt Lake City, Utah.....	2	1
Evansville, Ind.....	1		Sandusky, Ohio.....	1	
Fall River, Mass.....	7		Saginaw, Mich.....	1	
Flint, Mich.....	1		Savannah, Ga.....	9	1
Galveston, Tex.....	2		Seattle, Wash.....	1	
Grand Rapids, Mich.....	2		South Bend, Ind.....		2
Haverhill, Mass.....	1		Springfield, Ill.....	1	
Indianapolis, Ind.....	1		Springfield, Mass.....	1	
Kalamazoo, Mich.....	1		Superior, Wis.....	2	
Kansas City, Kans.....	1		Syracuse, N. Y.....	2	
Kansas City, Mo.....	1		Taunton, Mass.....	1	
Knoxville, Tenn.....	2		Toledo, Ohio.....	4	
Lawrence, Mass.....	1		Trenton, N. J.....	2	1
Los Angeles, Cal.....	2		Troy, N. Y.....	1	
Lynchburg, Va.....	10		Waltham, Mass.....	1	
Madison, Wis.....	1		Washington, D. C.....	2	1
Memphis, Tenn.....	1		Washington, Pa.....	1	
Milwaukee, Wis.....	1	2	Wilmington, Del.....	1	1
Minneapolis, Minn.....	1		Winston-Salem, N. C.....	3	

## TYPHUS FEVER.

## Texas.

Senior Surg. Pierce reported that during the week ended June 9, 1917, no new case of typhus fever was reported to him from any point along the Texas-Mexico border, the last case of the disease occurring in Texas having been reported during the week ended April 28, 1917. Since July 1, 1916, 82 cases have been reported.

## TYPHUS FEVER—Continued.

## Texas—Continued.

During the week ended June 9, 1917, 65,746 persons were inspected by medical officers at ports of entry on the border. Of this number, 2,593 were disinfected for the destruction of vermin, 1,133 were vaccinated against smallpox, and 10 were refused admission because of illness.

## City Report for Week Ended June 9, 1917.

During the week ended June 9, 1917, 1 case of typhus fever was reported in Austin, Tex.

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

## State Reports for May, 1917.

State.	Cases reported.			State.	Cases reported.		
	Diphtheria.	Measles.	Scarlet fever.		Diphtheria.	Measles.	Scarlet fever.
Kansas.....	61	3,888	432	Montana.....	32	551	97
Louisiana.....	27	231	13	New Jersey.....	392	.....	556
Maine.....	24	228	9	Ohio.....	547	4,053	976
Michigan.....	475	2,785	1,234	Pennsylvania.....	1,081	5,811	840
Minnesota.....	334	2,130	308	Rhode Island.....	101	146	66
Mississippi.....	37	3,580	27	South Carolina.....	75	310	12

## Ohio Reports for February and March, 1917.

During the month of February, 1917, 474 cases of diphtheria, 4,323 cases of measles, and 1,042 cases of scarlet fever were reported in Ohio; and during the month of March 548 cases of diphtheria, 5,763 cases of measles, and 1,273 cases of scarlet fever were reported in Ohio.

## City Reports for Week Ended June 9, 1917.

City.	Popula- tion as of July 1, 1916. (Estimated by U. S. Census Bureau.)	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Tubercu- losis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md.....	589,621	188	3	1	245	3	10	1	16	28
Boston, Mass.....	756,476	224	96	6	262	6	33	2	56	36
Chicago, Ill.....	2,497,722	705	160	22	712	10	315	16	313	91
Cleveland, Ohio.....	674,073	192	24	4	70	1	13	1	39	12
Detroit, Mich.....	571,784	239	75	9	19	2	87	7	22	26
Los Angeles, Cal.....	503,812		6		128	1	20		37	12
New York, N. Y.....	5,602,841	1,397	297	28	1,994	31	151		230	191
Philadelphia, Pa.....	1,709,518	539	70	6	309	2	38	1	73	61
Pittsburgh, Pa.....	579,090	190	21	1	188	3	16		41	16
St. Louis, Mo.....	757,309	210	79	3	149	4	74		50	21



# DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended June 9, 1917—Continued.

City.	Popula- tion as of July 1, 1916. (Estimated by U. S. Census Bureau.)	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 300,000 to 500,000 inhabit- ants:										
Buffalo, N. Y.	468,558	132	24	2	62		19	2	52	
Cincinnati, Ohio.	410,476		10		28	2	6	1	35	23
Jersey City, N. J.	306,345	69	10		57	2	29	2	15	7
Milwaukee, Wis.	436,335	102	14	1	78		79	3	35	5
Minneapolis, Minn.	363,454		25		48		13			
Newark, N. J.	408,894	99	12		69		8		36	15
New Orleans, La.	371,747		3		1		2		35	22
San Francisco, Cal.	463,516	137	14	2	60	1	16		29	16
Seattle, Wash.	348,639	51			18		6		4	7
Washington, D. C.	363,980	113	4		163		10		15	11
From 200,000 to 300,000 inhabit- ants:										
Columbus, Ohio.	214,878	67	3		8		5		9	6
Denver, Colo.	290,800		8	1	53		5			12
Indianapolis, Ind.	271,708		11		132		17		11	
Kansas City, Mo.	237,847	82	10	1	44	1	47			13
Portland, Oreg.	235,463	46	6		8		8		4	5
Providence, R. I.	254,990	65	12		12	1	10			11
Rochester, N. Y.	256,417	78	2	1	144	6	29		18	5
From 100,000 to 200,000 inhabit- ants:										
Albany, N. Y.	104,199				49		6		8	
Birmingham, Ala.	181,762	74			39	2	1		12	2
Bridgeport, Conn.	121,579	43	8	2	16	2	5		4	4
Cambridge, Mass.	112,981	36	12		79	3	1		5	1
Camden, N. J.	106,233				24		1		3	
Dayton, Ohio.	127,224	41	1		55		17		8	3
Fall River, Mass.	128,366	35	7		64	3			19	2
Fort Worth, Tex.	104,562	22	1							2
Grand Rapids, Mich.	128,291	36	4		80		5		2	1
Hartford, Conn.	110,900	45	2		24		4		5	3
Lawrence, Mass.	100,560	29	1		2				4	3
Lowell, Mass.	113,245	27	11		1		2		1	6
Lynn, Mass.	102,425	18	2		14		2		5	2
Memphis, Tenn.	148,995	29	1		8		2		23	5
Nashville, Tenn.	117,057	43			3		1		3	6
New Bedford, Mass.	118,158	30	5		55		1		5	1
New Haven, Conn.	149,685	3	3		101	2			12	4
Oakland, Cal.	198,604	37	6		4		6			4
Omaha, Nebr.	165,470	40	2		61		36			7
Reading, Pa.	109,381	28	3				6		6	1
Richmond, Va.	156,687	55	1		13				1	7
Salt Lake City, Utah.	117,399	22	3		3		14			2
Springfield, Mass.	105,942	33	5	3			10		4	2
Syracuse, N. Y.	155,624	41	2		53		10	1	4	4
Toledo, Ohio.	191,554	59	3		61		26	1	19	8
Trenton, N. J.	111,593	41	5		7				3	2
Worcester, Mass.	163,314	58	2		14		4		9	5
From 50,000 to 100,000 inhabit- ants:										
Allentown, Pa.	63,505	14	1	1	1		5			
Altoona, Pa.	58,659		2		4		1		1	
Atlantic City, N. J.	57,660		2		43		3			
Bayonne, N. J.	69,893						1		3	
Berkeley, Cal.	57,653	15	2		3		3		1	1
Binghamton, N. Y.	53,973	18	1		22		3		3	
Brockton, Mass.	67,449	13	2		6		1		6	1
Canton, Ohio.	60,852	14	1		2		2			1
Charleston, S. C.	60,734	16								
Covington, Ky.	57,144	10			5		1			
Duluth, Minn.	94,495	17	3	1	3				2	1
Elizabeth, N. J.	86,690	19	3	1	126		4		5	
El Paso, Tex.	63,705	53	1	1	8		2			9
Erie, Pa.	75,195		3		57		3		11	33
Evansville, Ind.	76,078	18	3		9	1	2	1	8	4
Flint, Mich.	54,772	11			24		18	2		1
Ft. Wayne, Ind.	76,183	20	1		10		7			2
Harrisburg, Pa.	72,015	22	2		7		1		3	2

# DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended June 9, 1917—Continued.

City.	Popula- tion as of July 1, 1916. (Estimated by U. S. Census Bureau.)	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 50,000 to 100,000 inhabit- ants—Continued.										
Hoboken, N. J.	77,214	19	3	1	4		6		3	
Johnstown, Pa.	68,529	22			34		2	1		2
Kansas City, Kans.	99,437		1		10		4			
Lancaster, Pa.	50,853				14				1	
Little Rock, Ark.	57,343	16			5					
Malden, Mass.	51,155	13	4	2	43					5
Manchester, N. H.	78,283	24	1		12				5	5
Mobile, Ala.	58,221	25			5	1			1	4
New Britain, Conn.	53,794	15							1	
Norfolk, Va.	89,612	6			7					5
Oklahoma City, Okla.	92,943	12			5				3	2
Passaic, N. J.	71,744	11	1		7		1		2	1
Pawtucket, R. I.	59,411	23	1							4
Portland, Me.	63,867	15	3		10					
Rockford, Ill.	55,185	24	2		26		4	2	2	1
Sacramento, Cal.	66,895	24	2	1	5				4	3
Saginaw, Mich.	55,642	15	1		6		3			2
St. Joseph, Mo.	85,236	27	3		14		5		2	2
San Diego, Cal.	53,330	10			35		1			2
Savannah, Ga.	68,805	16			4				2	1
Seheneetady, N. Y.	90,519	19			65	1	6		2	2
Sioux City, Iowa.	57,078						11			
Somerville, Mass.	87,039	20	3		23		8		3	1
South Bend, Ind.	68,946	16			29	1	4			
Springfield, Ill.	61,120	20	1		8		1			6
Terre Haute, Ind.	66,083	14			18					
Troy, N. Y.	77,916		1		32				5	6
Wichita, Kans.	70,722				9		2			
Wilkes Barre, Pa.	76,776	16	7		23		2			
Wilmington, Del.	94,265	25	2		8		7		7	
York, Pa.	51,656								2	
From 25,000 to 50,000 inhabit- ants:										
Alameda, Cal.	27,732	6			8		5		1	
Austin, Tex.	34,814									8
Brookline, Mass.	32,730	3	1		8					
Butler, Pa.	27,632	3	3	1	4					
Butte, Mont.	45,425		1		5		4			
Chelsea, Mass.	46,192	12	1		18		1		4	1
Chicopee, Mass.	29,319	2	2		1				9	
Cumberland, Md.	26,074	3			7				1	
Danville, Ill.	32,261	8			12					
Davenport, Iowa.	48,811		2		7		1			
Dubuque, Iowa.	39,873		2						1	1
East Chicago, Ind.	28,743	5			16		1	1		
East Orange, N. J.	42,458	4			9		1			
Elgin, Ill.	28,203	7			1				1	1
Everett, Mass.	39,233	10	2		11		1		2	
Everett, Wash.	35,486	9	1	1	1					2
Galveston, Tex.	41,863	13	1							1
Green Bay, Wis.	29,353	8								1
Hagerstown, Md.	25,679		2		3					
Haverhill, Mass.	48,477	16	3		2		3		4	1
Jackson, Mich.	35,363	16			33				4	4
Kalamazoo, Mich.	48,886	14			67		1			
Kenosha, Wis.	31,576	1	2		49		1		2	
Kingston, N. Y.	26,771	7			8					
Knoxville, Tenn.	38,676				1				1	
La Crosse, Wis.	31,677	10	1	1						
Lexington, Ky.	41,097	8			4				9	2
Lima, Ohio.	35,384	10			10		4			
Lincoln, Nebr.	46,515	9	1	1	16	1	10		1	1
Long Beach, Cal.	27,587	9			5					
Lorain, Ohio.	36,964		1				4			
Lynchburg, Va.	32,940	7	1		7				3	2
Madison, Wis.	30,699	1			4		11			
McKeesport, Pa.	47,521	12	1		1		2			
Medford, Mass.	26,234	5			21		1		1	
Montclair, N. J.	26,318	2	1		2		2		1	1

# DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS— Continued.

City Reports for Week Ended June 9, 1917—Continued.

City.	Popula- tion as of July 1, 1916. (Estimated by U. S. Census Bureau.)	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 25,000 to 50,000 inhabit- ants—Continued.										
Nashua, N. H.	27,327	10			11					
Newburgh, N. Y.	29,603	15			8					2
New Castle, Pa.	41,133		1				2		7	
Newport, Ky.	31,927	5	1							1
Newport, R. I.	30,108	14	1	1						
Newton, Mass.	43,715	4			25				1	2
Niagara Falls, N. Y.	37,353	15	1		44		3			1
Norristown, Pa.	31,401	5			3				1	2
Ogden, Utah	31,404	6	1		8		6	1		
Orange, N. J.	33,080	10	1		2		1		1	2
Pasadena, Cal.	46,450	6			9				1	
Perth Amboy, N. J.	41,185	11	3		1		1		2	
Pittsfield, Mass.	38,629	26			92	1			6	1
Portsmouth, Va.	39,651	13	1		6					
Quincy, Ill.	36,798	11	1		4		1			
Quincy, Mass.	38,136	6	3						2	
Racine, Wis.	46,486	2					1		2	
Roanoke, Va.	43,284	16			2					1
Rock Island, Ill.	28,926	10			7		1			
San Jose, Cal.	38,902		1		10		1		1	
Steubenville, Ohio.	27,445	8					1			
Superior, Wis.	46,226	11								
Taunton, Mass.	36,283	13							1	1
Waltham, Mass.	30,570	6	2		38				2	1
West Hoboken, N. J.	43,139	8			23		3		1	
Wheeling, W. Va.	43,377	21								2
Williamsport, Pa.	33,809		5		7		1			
Wilmington, N. C.	29,892	12								1
Winston-Salem, N. C.	31,155	28			2	1				2
Zanesville, Ohio.	30,863	16			2		1		1	1
From 10,000 to 25,000 inhabit- ants:										
Alton, Ill.	22,874	2	2		4					
Ann Arbor, Mich.	15,010	12	2	1	37					
Beaver Falls, Pa.	13,532						1			
Berlin, N. H.	13,599	4								
Braddock, Pa.	21,685		1		6				2	
Cairo, Ill.	15,794	4								
Clinton, Mass.	13,075	4				1				1
Coffeyville, Kans.	17,548		1		5				1	1
Concord, N. H.	22,669	17			28					
Galesburg, Ill.	24,276	12	1		13					1
Harrison, N. J.	16,950				15		1			
Kearny, N. J.	23,539	7			16		1		1	
Kokomo, Ind.	20,930	3	1		4		1		2	1
Long Branch, N. J.	15,395	1			4				1	
Marinette, Wis.	14,610	1								
Melrose, Mass.	17,445	4			11		1			
Morristown, N. J.	13,284	4			1				1	
Muscatine, Iowa	17,500	1			1		2			1
Nanticoke, Pa.	23,126	4								
Newburyport, Mass.	15,243	3			22					
New London, Conn.	20,985	8	1		5					1
North Adams, Mass.	12,019	6			77					
Northampton, Mass.	19,926	9	2		11		3		2	3
Plainfield, N. J.	23,805	8								
Pontiac, Mich.	17,524				24		6			
Portsmouth, N. H.	11,666				7		2			
Rocky Mount, N. C.	12,067	6			1				1	
Rutland, Vt.	14,831	4			1					
Sandusky, Ohio	20,193	6			9					
Saratoga Springs, N. Y.	13,821	5							3	
Steelton, Pa.	15,548	4			1				1	
Washington, Pa.	21,618		2				1			
Woburn, Mass.	15,969	3								

<sup>1</sup> Population Apr. 15, 1910; no estimate made.

## FOREIGN.

### AUSTRALIA.

#### Cerebrospinal Meningitis, 1916—State of Victoria.

During the year 1916, 754 cases of cerebrospinal meningitis with 326 deaths were notified in the State of Victoria, Australia. Of these, 397 cases occurred in the metropolitan district (population, 695,640), 216 cases in the rest of the State (population, 702,330), and 141 among the military. According to age periods the cases were distributed as follows:

Age period.	Cases.	Deaths.	Case fatality.	Age period.	Cases.	Deaths.	Case fatality.
Under 1 year.....	37	31	83	31 to 40 years.....	71	38	53
1 to 5 years.....	125	54	43	41 to 50 years.....	43	25	58
6 to 10 years.....	75	27	36	51 to 60 years.....	27	19	70
11 to 20 years.....	202	58	28	61 to 70 years.....	13	11	84
21 to 30 years.....	158	60	37	Over 70 years.....	3	3	100

The monthly incidence of cases was as follows:

Month.	Number of cases.	Month.	Number of cases.
January.....	18	July.....	114
February.....	12	August.....	114
March.....	36	September.....	89
April.....	26	October.....	37
May.....	101	November.....	35
June.....	148	December.....	24

### BRAZIL.

#### Yellow Fever—Pernambuco.

A fatal case of yellow fever was reported at Pernambuco, Brazil, during the week ended April 21, 1917. The case occurred in a person recently arrived from Alagoas, Brazil.

### CHINA.

#### Examination of Rats—Hongkong.

During the period from April 1 to May 5, 1917, 9,263 rats were examined at Hongkong. No plague infection was found. The last plague-infected rat at Hongkong was found during the week ended March 24, 1917.

## CHINA—Continued.

## Examination of Rats—Shanghai.

During the period from April 1 to May 5, 1917, 1,645 rats were examined at Shanghai. No plague infection was found. The last plague-infected rat at Shanghai was reported found May 6, 1916.

## GREAT BRITAIN.

## Examination of Rats—Liverpool.

During the period from April 8 to May 19, 1917, 1,182 rats were examined at Liverpool. No plague infection was found. The last plague-infected rat at Liverpool was reported found March 28, 1917.

## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During the Week Ended June 29, 1917.<sup>1</sup>

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Apr. 8-14.....		38	
Madras.....	Apr. 15-21.....	2	2	
Rangoon.....	Mar. 25-Apr. 14....	6	3	
Java:				
West Java.....	.....			Apr. 20-26, 1917: Cases, 1.
Batavia.....	Apr. 20-26.....	1		

## PLAGUE.

Brazil:				
Pernambuco.....	Jan.-June.....	1		In person from Garanhuns district.
China:				
Kwantung Province—				
Chaochowfu.....	May 6-12.....			Present.
Chaoyang district.....	do.....			Do.
India:				
Bombay.....	Apr. 15-21.....	105	92	Apr. 8-14, 1917: Cases, 15,352; deaths, 13,214.
Calcutta.....	Apr. 8-14.....		7	
Hyderabad.....	Mar. 25-31.....			
Karachi.....	Apr. 15-21.....	121	110	
Madras Presidency.....	do.....	143	88	
Mandalay.....	Apr. 1-7.....		1	
Rangoon.....	Mar. 25-Apr. 14....	90	86	
Java:				
East Java.....	Apr. 9-15.....	3	3	At Surabaya City.
Mid-Java.....	Apr. 8-14.....	1	1	At Samarang.

## SMALLPOX.

Canada:				
Yarmouth.....	June 3-9.....	1		
China:				
Mukden.....	May 6-19.....			Present.
Tsingtao.....	May 13-19.....	1		
Egypt:				
Cairo.....	Nov. 12-Dec. 31...	8	3	
Port Said.....	do.....	3		
India:				
Bombay.....	Apr. 15-21.....	33	14	
Karachi.....	do.....	2		
Madras.....	do.....	29	6	
Rangoon.....	Mar. 25-Apr. 14....	27	3	

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

Reports Received During the Week Ended June 29, 1917—Continued.

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Japan:				
Kobe.....	May 21-27.....	23	2	
Osaka.....	May 16-25.....	57	21	
Yokohama.....	May 7-20.....	2		
Java:				
Mid-Java.....	Apr. 8-14.....	4	1	
West Java.....				
Batavia.....	Apr. 8-14.....	1	1	Apr. 8-14, 1917: Cases, 8; deaths, 2.
Russia:				
Petrograd.....	Mar. 18-Apr. 14.....	160		
Spain:				
Valencia.....	May 13-19.....	1		

## **TYPHUS FEVER.**

British Guiana:				
Georgetown.....	May 20-26.....		3	
Egypt:				
Cairo.....	Nov. 12-Dec. 31...	30	7	
Port Said.....	Nov. 12-Dec. 31...	6	3	
Java:				
East Java.....	Apr. 9-15.....	1	1	
Mid-Java.....				
Samarang.....	Apr. 8-14.....	2		Apr. 8-14, 1917: Cases, 3; deaths, 1.
West Java.....				
Batavia.....	Apr. 20-26.....	6		Apr. 20-26, 1917: Cases, 9; deaths, 1.
Russia:				
Petrograd.....	Mar. 18-Apr. 14.....	44		
Turkey in Asia:				
Adana.....	Apr. 8-14.....			Present.
Mersina.....	Apr. 8-14.....	2		
Tarsus.....	Apr. 8-14.....			Do.

## **YELLOW FEVER.**

Brazil:				
Pernambuco.....	Apr. 15-21.....	1	1	In person recently arrived from Alagoas, Brazil.

Reports Received from Dec. 30, 1916, to June 29, 1917.

## **CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China: <sup>1</sup>				
Hunan Province—				
Changteh.....				Epidemic in August, 1916.
Macao.....				Outbreak with 72 cases reported Mar. 1, 1917.
Chosen (Korea).....	Aug.-Dec. 29.....	1,998		
Germany:				
Marlenwerder.....	Jan. 21-27.....	3		Prisoners of war.
India:				
Bassein.....	Dec. 31-Mar. 31.....		51	
Bombay.....	Nov. 5-Dec. 23.....	13	12	
Do.....	Jan. 14-Feb. 10.....	7	6	
Calcutta.....	Oct. 8-Dec. 30.....		164	
Do.....	Dec. 31-Apr. 14.....		251	
Benzada.....	Feb. 18-24.....		1	
Madras.....	Nov. 5-Dec. 23.....	6		
Do.....	Dec. 31-Apr. 21.....	8	6	
Moulmein.....	do.....	5	7	
Rangoon.....	Nov. 25-Dec. 30.....	5	6	
Do.....	Dec. 31-Apr. 14.....	19	13	

<sup>1</sup> On page 3540, Public Health Reports, Dec. 29, 1916, under heading "Remarks," the S. S. Taihei Maru appears in line with Canton, China. It should appear in line with Dairen, China.



# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China.....				Apr. 1-June 30, 1916: Cases, 4,540; deaths, 2,869.
Do.....				July 1-Dec. 31, 1916: Cases, 2,984; deaths, 2,398. Jan. 1-31, 1917: Cases, 52; deaths, 29.
Provinces—				
Anam.....	Apr. 1-June 30.....	1,381	2,300	
Do.....	July 1-Dec. 31.....	700	544	
Do.....	Jan. 1-31.....	1		
Cambodia.....	May 1-June 30.....	47	13	
Do.....	July 1-Dec. 31.....	164	116	
Do.....	Jan. 1-31.....	10	9	
Cochin-China.....	Apr. 1-June 30.....	269	111	
Do.....	July 1-Dec. 31.....	123	111	
Do.....	Jan. 1-31.....	21	8	
Kwang-Teheou-Wan.....	July 1-Nov. 30.....	271	264	
Laos.....	Apr. 1-June 30.....	102	57	
Do.....	July 1-Nov. 30.....	652	630	
Do.....	Jan. 1-31.....	20	12	
Tonkin.....	Apr. 1-June 30.....	2,780	1,385	
Do.....	July 1-Dec. 31.....	999	725	
Saigon.....	Dec. 25-31.....	4	3	
Do.....	Jan. 29-Apr. 22.....	18	12	
Japan:				
Fukuoka.....	Jan. 19.....	33		
Nagasaki.....	Nov. 27-Dec. 3.....	9	4	
Do.....	Feb. 19-25.....	1	1	
Osaka.....	Nov. 16-Dec. 25.....	23	57	Aug. 13-Dec. 25, 1916: Cases, 971; deaths, 754.
Do.....	Dec. 26-Jan. 25.....	10	10	Jan. 6-16, 1917: Cases, 9. Aug. 14, 1916-Jan. 25, 1917: Cases, 990; deaths, 641.
Taiwan Island—				
Keelung.....	Nov. 13-Dec. 23.....	5	7	
Do.....	Feb. 18-24.....	1	1	
Taihoku.....	Nov. 13-Dec. 23.....	14	5	
Tokyo.....	Jan. 23-Feb. 4.....	4		
Yokohama.....	Nov. 6-Dec. 3.....	5	3	
Districts.....	do.....	1	1	
Java:				
East Java.....	Oct. 14-17.....	5	3	
West Java.....				Nov. 17-Dec. 14, 1916: Cases, 135; deaths, 65. Jan. 20-Apr. 20, 1917: Cases, 9; deaths, 1.
Batavia.....	Nov. 17-Dec. 7.....	23	9	
Do.....	Jan. 26-Apr. 26.....	6	1	
Persia:				
Enzeli.....	Mar. 21-Sept. 9.....	74	37	
Kazvin.....	July 18-Sept. 19.....	107	65	
Mazanderan Province—				
Amol.....	Nov. 16.....			Epidemic.
Ferikenar.....	Nov. 30.....	8	8	
Reht.....	Mar. 21-Oct. 14.....	165	60	
Teheran.....	Aug. 3-Oct. 19.....	428	409	At 2 localities in vicinity: Cases 64; deaths, 38.
Philippine Islands:				
Manila.....	Oct. 29-Dec. 30.....	201	70	Not previously reported: Cases, 56; deaths, 2.
Do.....	Dec. 31-Apr. 28.....	15	8	
Provinces.....				Oct. 29-Dec. 9, 1916: Cases, 2,345; deaths, 1,492. Dec. 17-30, 1916: Cases, 282; deaths, 188. Dec. 31, 1916-May 12, 1917: Cases, 3,512; deaths, 1,873.
Albay.....	Oct. 29-Dec. 9.....	246	147	
Do.....	Dec. 17-30.....	20	10	
Do.....	Dec. 31-May 12.....	226	147	
Antique.....	Nov. 18-25.....	8	7	
Do.....	Dec. 31-Mar. 24.....	161	98	
Bataan.....	Oct. 29-Dec. 9.....	93	77	
Do.....	Dec. 17-23.....	2	2	
Do.....	Dec. 31-Jan. 6.....	2	3	
Batangas.....	Oct. 29-Nov. 4.....	1	1	
Bohol.....	Oct. 29-Dec. 9.....	46	18	
Do.....	Dec. 17-23.....	1		
Do.....	Feb. 25-May 12.....	156	74	
Bulacan.....	Oct. 29-Dec. 9.....	96	67	
Do.....	Dec. 17-23.....	10	6	
Camarines.....	Oct. 29-Dec. 9.....	61	37	
Do.....	Apr. 28-May 12.....	19	8	
Capiz.....	Oct. 29-Dec. 9.....	45	34	
Do.....	Dec. 17-30.....	27	23	
Do.....	Dec. 31-Mar. 31.....	249	173	
Cavite.....	Oct. 29-Dec. 9.....	156	113	
Do.....	Dec. 17-30.....	24	13	
Do.....	Dec. 31-Feb. 10.....	45	33	
Cebu.....	Dec. 24-30.....	12	6	
Do.....	Jan. 7-May 5.....	192	113	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Contd.				
Provinces—Continued.				
Iloilo.....	Oct. 29-Dec. 9.....	237	148	
Do.....	Dec. 17-30.....	37	31	
Do.....	Dec. 31-Apr. 21.....	120	86	
Laguna.....	Nov. 2-25.....	12	10	
Leyte.....	Oct. 29-Dec. 9.....	157	98	
Do.....	Dec. 17-30.....	90	62	
Do.....	Dec. 31-Apr. 21.....	650	511	
Masbate.....	Dec. 17-23.....	8	2	
Mindanao.....	Jan. 14-Feb. 3.....	25	18	
Mindoro.....	Dec. 31-Feb. 3.....	8	7	
Misamis.....	Oct. 29-Dec. 9.....	126	79	
Do.....	Dec. 17-30.....	17	12	
Do.....	Dec. 31-Feb. 24.....	49	36	
Negros Occidental.....	Oct. 29-Dec. 9.....	910	553	
Do.....	Dec. 24-30.....	11	5	
Do.....	Jan. 7-Feb. 10.....	51	46	
Negros Oriental.....	Mar. 24-Apr. 21.....	33	29	
Pampanga.....	Dec. 3-9.....	4	3	
Do.....	Dec. 17-23.....	6	5	
Do.....	Dec. 31-Jan. 6.....	1	1	
Rizal.....	Oct. 29-Dec. 9.....	27	14	
Do.....	Dec. 17-30.....	4		
Do.....	Dec. 31-Mar. 17.....	2		
Romblon.....	Jan. 28-Mar. 17.....	38	26	
Samar.....	Nov. 5-18.....	13	10	
Do.....	Dec. 31-May 5.....	440	306	
Sorsogon.....	Oct. 29-Dec. 2.....	131	71	
Do.....	Dec. 17-23.....	1	2	
Do.....	Jan. 21-Apr. 28.....	235	128	
Tayabas.....	Nov. 11-18.....	1	1	
Do.....	Mar. 18-Apr. 7.....	46	31	
Zambales.....	Oct. 29-Dec. 2.....	5	4	
Straits Settlements:				
Penang.....	Mar. 11-17.....	1	1	
Singapore.....	Oct. 22-28.....	2	2	
Do.....	Jan. 7-Mar. 10.....	5	5	
Turkey in Asia.....				
Aleppo.....	Dec. 9-15.....		1	July-Dec. 31, 1916: Cases, 9,585; deaths, 4,909. Mar. 4-24, 1917: Cases, 32; deaths, 22.
Do.....	Jan. 15-Mar. 5.....	2	2	
Bagdad.....	Nov. 6-30.....	19	8	
Beirut.....	Dec. 7-12.....	2	1	
Panderna.....	Jan. 8-Mar. 13.....	3	1	
Rodosto.....	Jan. 18.....	1	1	
Tarsus.....	Nov. 7.....	1	1	
Turkey in Europe:				
Constantinople.....	Oct. 1-Nov. 17.....	8	1	
Do.....	Mar. 4-22.....	8	6	

## **PLAGUE.**

<b>Arabia:</b>				
Aden.....	Apr. 8-May 2.....	44	30	
<b>Brazil:</b>				
Bahia.....	Nov. 5-Dec. 16.....	15	9	Jan. 1-Nov. 11, 1916: Cases, 18;
Do.....	Jan. 7-May 5.....	14	12	deaths, 9.
Joazeiro.....				June 1-Nov. 6, 1916: Cases, 67;
Pernambuco, State.....	Jan. 1-Apr. 27.....	43	40	deaths, 51.
				In the districts of Bom Conselho,
				Canhotinho, and Corrientes
				Garanhuns.
Pernambuco.....	Jan.-June.....	1		In person from Garanhuns dis-
Ceylon:				trict.
Colombo.....	Oct. 28-Dec. 30.....	50	30	July 23-29, 1916: Cases, 9; deaths, 8.
Do.....	Dec. 31-Apr. 7.....	138	127	
<b>Chile:</b>				
Antofagasta.....	Mar. 1-31.....	10		
Tacna.....	do.....	1		
Tocopilla.....	Sept. 12.....	1	1	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 19-Dec. 2.....			Present.
Do.....	Feb. 18-Apr. 21.....			Present and in vicinity. May 6-12, 1917: Present.
Chaochowfu.....	Feb. 21.....			Present, 26 miles from Swatow.
Chaoyang district.....	May 6-12.....			Present.
Hongkong.....	Dec. 24-30.....	1	1	
Do.....	Jan. 21-Apr. 28.....	25	13	Present in vicinity, Jan. 21-Apr. 14, 1917.
Kansu Province— Taichow.....	Oct. 1-24.....		20	Pneumonic. Reported present in other localities of Province.
Nanking.....	Mar. 4-24.....			Present.
Ecuador.....				
Duran.....	Oct. 1-Dec. 31.....	2		Sept. 1-Dec. 31, 1916: Cases, 353; deaths, 119.
Guayaquil.....	Sept. 1-Dec. 31.....	347	116	Jan. 1-31, 1917: Cases, 106; deaths, 43.
Do.....	Jan. 1-31.....	104	43	
Milagro.....	Nov. 1-Dec. 31.....	2	1	
Naranjal.....	Jan. 1-31.....	1		
Nobol.....	Oct. 1-31.....	1	1	
Santa Rosa.....	Sept. 1-30.....	1	1	
Taura.....	Jan. 1-31.....	1		
Egypt.....				
Alexandria.....	Nov. 12-Dec. 25.....	4	3	Jan. 1-Dec. 30, 1916: Cases, 1,702; deaths, 828. Jan. 1-Apr. 26, 1917: Cases, 168; deaths, 85.
Do.....	Feb. 1-Mar. 28.....	3	1	1 case on s. s. Proton, arrived Nov. 16, 1916, from Sidi Barani and Sollum.
Port Said.....	Dec. 11.....	1		
Do.....	Jan. 18-Apr. 22.....	14	9	
Provinces—				
Assiout.....	Mar. 8-Apr. 26.....	25	17	
Beni-Souef.....	Feb. 1.....	1		
Fayoum.....	Jan. 24-Apr. 25.....	33	15	
Girgeh.....	Mar. 27-Apr. 26.....	43	10	
Keneh.....	Mar. 20-Apr. 24.....	39	27	
Minieh.....	Jan. 25-Apr. 19.....	6	3	
Gold Coast:				
Akkra.....	Apr. 4.....			Present.
Greece:				
Athens.....	Apr. 23.....	2		In military hospital.
Hawaii:				
Panalo.....	Mar. 7.....	1	1	
India.....				
Bassein.....	Oct. 22-Dec. 30.....		7	Oct. 15-Dec. 23, 1916: Cases, 89; deaths, 512. Dec. 31, 1916-Apr. 14, 1917: Cases, 84,362; deaths, 70,101.
Do.....	Dec. 31-Mar. 31.....		131	
Bombay.....	Nov. 5-Dec. 30.....	73	59	Oct. 8-14, 1916: Cases, 13; deaths, 7. Received out of date. Original report lost on s. s. Arabia.
Do.....	Dec. 31-Apr. 21.....	857	658	
Calcutta.....	Mar. 4-Apr. 7.....		9	
Henzada.....	Feb. 18-Mar. 31.....		14	
Karachi.....	Oct. 29-Dec. 30.....	4	3	
Do.....	Dec. 31-Apr. 21.....	405	329	
Madras.....	Nov. 19-Dec. 30.....	7	5	Oct. 8-14, 1916: Case, 1; death, 1.
Do.....	Dec. 31-Mar. 17.....	81	51	
Madras Presidency.....	Nov. 5-Dec. 30.....	5,854	3,932	Oct. 8-14, 1916: Cases, 534; deaths, 353. Sept. 17-23, 1916: Cases, 429; deaths, 280.
Do.....	Dec. 31-Apr. 21.....	7,249	4,939	
Mandalay.....	Oct. 28-Dec. 30.....		3	
Do.....	Feb. 4-Apr. 7.....		22	
Mergui.....	Mar. 11-17.....		7	
Moulmein.....	Dec. 3-9.....		1	
Do.....	Feb. 4-Mar. 31.....		28	
Myingyan.....	Mar. 4-17.....		7	
Prome.....	Oct. 22-Dec. 30.....		177	
Do.....	Dec. 31-Mar. 17.....		108	
Rangoon.....	Oct. 28-Dec. 30.....	43	39	Oct. 1-7, 1916: Cases, 9; deaths, 9.
Do.....	Dec. 31-Apr. 14.....	450	421	
Toungoo.....	Oct. 22-Dec. 30.....		12	
Do.....	Dec. 31-Mar. 17.....		45	
Indo-China.....				
Provinces—				
Anam.....	Apr. 1-June 30.....	142	83	Apr. 1-June 30, 1916: Cases, 325; deaths, 148. July 1-Dec. 31, 1916: Cases, 230; deaths, 142.
Do.....	July 1-Dec. 31.....	75	49	Jan. 1-31, 1917: Cases, 82; deaths, 60.
Do.....	Jan. 1-31.....	29	18	
Cambodia.....	Apr. 1-June 30.....	43	41	
Do.....	July 1-Dec. 31.....	57	54	
Do.....	Jan. 1-31.....	37	33	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.

## PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China—Continued.				
Provinces—Continued.				
Cochin-China.....	Apr. 1-June 30....	135	63	
Do.....	July 1-Nov. 30....	58	22	
Do.....	Jan. 1-31.....	14	13	
Kwang-Tcheou-Wan.....	July 1-Nov. 30....	29	8	
Do.....	Jan. 1-31.....	2	2	
Tonkin.....	Oct. 1-31.....	2	.....	
Saigon.....	Nov. 6-Dec. 17....	9	3	
Do.....	Jan. 1-Apr. 21....	60	35	
Japan:				
Nagoya.....	Dec. 10-16.....	2	.....	
Taiwan Island—				
Shirin.....	Feb. 18-24.....	1	1	3 miles from Taihoku.
Tansui.....	Feb. 15-Apr. 4....	5	5	
Yokkaichi.....	Nov. 12-Dec. 16....	32	12	
Do.....	Apr. 24-30.....	1	1	
Java:				
East Java.....				Aug. 26-Dec. 31, 1916: Cases, 133; deaths, 116. Jan. 1-Apr. 15, 1917: Cases, 122; deaths, 117.
Djocjakarta Residency.....	Nov. 4-Dec. 31....	2	2	
Do.....	Jan. 1-Mar. 25....	6	6	
Kediri Residency.....	Aug. 26-Dec. 31....	20	18	
Do.....	Jan. 1-Mar. 25....	5	5	
Madura Residency.....	Aug. 26-Dec. 31....	8	8	
Do.....	Jan. 1-Mar. 25....	28	28	
Paseroean Residency.....	Aug. 26-Dec. 31....	3	3	
Do.....	Jan. 1-31.....	1	1	
Samarang Residency.....	Dec. 2-31.....	6	6	
Do.....	Jan. 1-Mar. 25....	15	15	
Surabaya Residency.....	Aug. 26-Dec. 31....	49	49	
Do.....	Jan. 15-Mar. 25....	50	46	
Surakarta Residency.....	Aug. 26-Dec. 31....	28	28	
Do.....	Jan. 29-Mar. 25....	11	11	
Mid-Java—				
Samarang.....	Aug. 26-Dec. 31....	1	1	
Do.....	Jan. 1-Apr. 14....	5	5	
Mauritius.....	Dec. 9-Feb. 3....	20	11	District of Port Louis.
Peru.....				Jan. 1-May 15, 1917: cases, 221.
Department—				Jan. 1-June 30, 1916: Cases, 360; deaths, 191. July 1-Dec. 31, 1916: Cases, 150; deaths, 77.
Ancachs.....	Jan. 1-June 30....	57	21	
Do.....	July 1-Dec. 31....	5	1	
Do.....	Feb. 16-May 15....	3	.....	
Casma.....	Jan. 1-May 15....	6	.....	Casma and Chimbote.
Arequipa.....	Jan. 1-June 30....	23	18	
Do.....	July 1-Dec. 31....	1	1	
Do.....	Feb. 16-May 15....	29	.....	At Mollendo.
Cajamarca.....	do.....	2	.....	
Lambayeque.....	Jan. 1-June 30....	84	32	
Do.....	July 1-Dec. 31....	6	2	
Do.....	Feb. 16-May 15....	5	.....	At Chiclayo, Chongollape, and in country.
Chiclayo.....	Jan. 1-15.....	2	.....	
Iberiad.....	Jan. 1-June 30....	54	36	
Do.....	July 1-Dec. 31....	75	40	
Do.....	Jan. 1-May 15....	117	.....	Occurring in Ascope, Chepen, Chocope, Guadalupe, Moche, Pacasmayo, Salaverry, San Pedro, Trujillo (city and country), and Viru.
Lima.....	Jan. 1-June 30....	45	19	
Do.....	July 1-Dec. 31....	40	18	
Do.....	Feb. 16-May 15....	22	.....	
Callao Province.....	Jan. 1-June 30....	26	20	
Do.....	July 1-Dec. 31....	4	2	
Do.....	Jan. 1-May 15....	16	.....	In Callao City.
Lima.....	do.....	31	.....	City and country.
Piura.....	Jan. 1-June 30....	561	45	
Do.....	July 1-Dec. 31....	17	13	
Do.....	Feb. 16-May 15....	4	.....	At Catacaos and Piura.
Catacaos.....	Jan. 1-Feb. 15....	11	.....	
Slam:				
Bangkok.....	Oct. 22-Dec. 30....	12	10	
Do.....	Jan. 14-Apr. 21....	41	37	
Straits Settlements:				
Penang.....	Jan. 28-Feb. 24....	3	2	
Singapore.....	Oct. 22-Dec. 30....	7	7	
Do.....	Dec. 31-Apr. 28....	26	23	

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—**  
Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Union of South Africa:</b>				
Cape of Good Hope State—				
Uitenhage district.....	Oct. 31-Nov. 12...	2	2	Total, Oct. 23-Nov. 12, 1916: Cases, 24; deaths, 13.
Orange Free State—				
Odendaalsrust .....	Apr. 9-15.....	1	.....	Village.
Winburg district.....	Feb. 5-Mar. 18....	16	8	On 5 farms.
Transvaal—				
Potchefstroom district..	Dec. 21-Jan. 21....	12	12	On 2 adjoining farms.
<b>On vessel:</b>				
S. s. Sardinia.....	Apr. 27-May 2.....	5	3	At sea. From Australian and Oriental ports. Two cases plague landed port of London, England.

**SMALLPOX.**

<b>Australia:</b>				
New South Wales—				
Coonamble.....	Dec. 8.....	1	.....	
Do.....	Apr. 13-20.....	12	.....	
Walgett.....	Apr. 2.....	1	.....	
Queensland—				
Thursday Island, quar-	Feb. 8.....	1	.....	On s. s. St. Albans from Kobe via Hongkong. Vessel proceeded in quarantine to Townsville, Brisbane, and Sydney, arriving Feb. 16. Released Feb. 23.
antaine station.				
Do.....	Apr. 8.....	1	.....	On s. s. Eastern from Kobe via Hongkong. Vessel proceeded in quarantine to Townsville, Brisbane, and Sydney.
<b>Austria-Hungary:</b>				
Austria—				
Prague.....	Jan. 21-27.....	1	.....	
Vienna.....	Nov. 12-Dec. 9....	8	1	
Do.....	Feb. 11-Mar. 24....	4	.....	
Hungary—				
Budapest.....	Nov. 5-Dec. 23....	73	2	
Do.....	Dec. 31-Mar. 31....	96	12	
<b>Brazil:</b>				
Bahia.....	Nov. 12-Dec. 23....	5	.....	
Do.....	Jan. 7-Mar. 17....	9	.....	
Rio de Janeiro.....	Nov. 12-Dec. 30....	50	12	
Do.....	Dec. 31-May 5.....	193	50	
<b>Canada:</b>				
Alberta—				
Lethbridge.....	Feb. 1-28.....	2	.....	
British Columbia—				
Vancouver.....	Feb. 18-Apr. 7....	2	2	
Victoria.....	Feb. 11-17.....	1	.....	
Manitoba—				
Winnipeg.....	Feb. 11-Apr. 7....	6	.....	
Nova Scotia—				
Yarmouth.....	June 3-9.....	1	.....	
Ontario—				
Kingston.....	Mar. 11-17.....	1	.....	
Sarnia.....	Jan. 28-Feb. 10....	3	.....	
Toronto.....	Jan. 28-Mar. 31....	6	.....	
Canary Islands:				
Las Palmas.....	Feb. 25-Mar. 3....	1	.....	On American vessel.
Ceylon:				
Colombo.....	Dec. 31-Feb. 17....	2	.....	
<b>China:</b>				
Amoy.....	Oct. 31-Dec. 9....	.....	.....	Present. Dec. 10-16, 1916: Cases, 3.
Do.....	Feb. 11-May 5.....	.....	.....	Present and in vicinity.
Antung.....	Jan. 8-14.....	2	1	
Canton.....	Nov. 1-Dec. 20....	13	14	
Changsha.....	Mar. 11-Apr. 21....	13	.....	
Chungking.....	Oct. 28-Dec. 30....	.....	.....	Present.
Do.....	Dec. 31-Apr. 28....	.....	.....	Do.
Dairen.....	Nov. 5-Dec. 37....	63	8	
Do.....	Dec. 31-May 12....	84	21	In vicinity, Jan. 14-20, 1917, case.

# CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER— Continued.

Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Foochow.....	Oct. 29-Dec. 16.....			Present.
Do.....	Feb. 18-Mar. 24.....			Do.
Harbin.....	Nov. 6-Dec. 17.....	3		
Do.....	Jan. 2-Mar. 11.....	2		
Hongkong.....	Oct. 28-Dec. 30.....	349	243	
Do.....	Dec. 31-Apr. 21.....	520	434	Present in vicinity.
Kwangtung Province— Chaoyang district.....	Jan. 21-27.....			Present. Vicinity of Swatow.
Manchuria Station.....	Jan. 8-Feb. 25.....	4		On Chinese Railway.
Mukden.....	Dec. 9-30.....			Present.
Do.....	Dec. 31-May 19.....			Do.
Nanking.....	Nov. 12-25.....			Do.
Shanghai.....	Jan. 28-May 12.....	15	20	Deaths among native population.
Tientsin.....	Dec. 17-30.....	1	1	
Do.....	Jan. 28-Apr. 28.....	2		
Tsingtao.....	Dec. 1-9.....	3		
Do.....	Dec. 28-May 19.....	84	4	
Colombia:				
Espinal.....	Feb. 17.....			Present. Suburb of Cartagena.
Cuba:				
Casa Blanca.....	Jan. 12.....	1		Vicinity of Habana. Case landed Jan. 1, 1917, from s. s. Alfonso XII, from Santander, Spain.
Encrucijada.....	Jan. 10.....	1		In Santa Clara Province. Case landed from s. s. Montevideo, from Barcelona via Las Palmas, Canary Islands, and Porto Rico; arrived at Habana Jan. 6, 1917.
Guanabacoa.....	Jan. 9.....	1		Vicinity of Habana. Case landed from s. s. Montevideo.
Habana.....	Jan. 10-20.....	2		At Mariel quarantine station from s. s. Montevideo.
Ecuador:				
Guayaquil.....	Nov. 1-30.....	10	1	
Egypt:				
Alexandria.....	Dec. 25-31.....		3	
Do.....	Jan. 8-Apr. 29.....	39	18	
Cairo.....	June 11-July 1.....	50	20	
Do.....	July 2-Dec. 31.....	69	23	
Port Said.....	June 11-17.....	1	1	
Do.....	Aug. 20-Dec. 31.....	5	1	
France:				
Marseille.....	Oct. 1-Dec. 31.....		16	
Do.....	Feb. 1-Mar. 31.....		4	
Paris.....	Dec. 17-23.....	1		
Do.....	Jan. 14-20.....		1	
Germany.....	Dec. 17-Jan. 13.....	150		Lübeck, Hamburg, and the district of Luneburg.
Do.....	Jan. 21-Feb. 17.....	369		12 cities and 16 districts and States.
Do.....	Feb. 18-Mar. 10.....	375		8 cities and 22 districts and States.
Barnitz.....	Jan. 7-13.....	1		
Bevensen.....	do.....	1		
Bomlitz.....	do.....	2		
Bremen.....	Dec. 31-Jan. 27.....	3		
Celle.....	Jan. 7-13.....	1		
Danenberg.....	do.....	1		
Dendorf.....	do.....	1		
Egestorf.....	do.....	1		
Geesthacht.....	do.....	2		
Gosswerder.....	do.....	2		
Hamburg district.....	Dec. 31-Jan. 20.....	71		
Harburg.....	Jan. 7-13.....	1		
Husum.....	do.....	1		
Lubeck.....	do.....	8		
Reinfeld.....	do.....	1		
Soltau.....	do.....	1		
Undelos.....	do.....	1		
Winsen.....	do.....	1		
Great Britain:				
Liverpool.....	Feb. 4-Mar. 3.....	3	1	
Greece:				
Athens.....	Jan. 1-Mar. 5.....		6	
Tripolis.....	May 12.....			Outbreak.



# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Guatemala:				
Guatemala City.....	May 6-12.....			Present.
Hawaii:				
Honolulu.....	Jan. 9.....	1		From s. s. Tenyo Maru from oriental ports.
Do.....	Jan. 24.....	1		From s. s. Ecuador from Hong-kong.
India:				
Bombay.....	Dec. 10-30.....	5	1	Oct. 8-14, 1916: Cases, 3; deaths, 3. Received out of date.
Do.....	Dec. 31-Apr. 21...	243	113	Original report lost on s. s. Arabia.
Calcutta.....	Nov. 5-Dec. 2.....		2	
Do.....	Feb. 18-Mar. 24.....		3	
Karachi.....	Dec. 31-Apr. 21.....	8	1	
Madras.....	Nov. 5-Dec. 30.....	35	19	
Do.....	Dec. 31-Apr. 30.....	445	104	
Moulmein.....	Oct. 28-Nov. 21.....		4	
Rangoon.....	Oct. 28-Dec. 30.....	17	1	
Do.....	Dec. 31-Apr. 14.....	102	9	
Indo-China:				
Provinces.....				Apr. 1-June 30, 1916: Cases, 331; deaths, 28. July 1-Dec. 31, 1916: Cases, 503; deaths, 194.
Anam.....	Apr. 1-June 30.....	45	8	Jan. 1-31, 1917: Cases, 174; deaths, 37.
Do.....	July 1-Dec. 31.....	114	43	
Do.....	Jan. 1-31.....	22	2	
Cambodia.....	Apr. 1-June 30.....	30	11	
Do.....	July 1-Dec. 31.....	24	10	
Do.....	Jan. 1-31.....	14	6	
Cochin-China.....	Apr. 1-June 30.....	44	5	
Do.....	July 1-Dec. 31.....	336	99	
Do.....	Jan. 1-31.....	110	29	
Laos.....	Aug. 1-Oct. 31.....	39	16	
Tonkin.....	Apr. 1-June 30.....	215	4	
Do.....	July 1-Dec. 31.....	69	25	
Do.....	Jan. 1-31.....	28		
Saigon.....	Nov. 6-Dec. 31.....	28	7	
Do.....	Jan. 1-Apr. 22.....	456	111	
Italy:				
Turin.....	Feb. 19-May 6.....	53	10	Mainly Roumanian refugees.
Jamaica:				
Kingston.....	May 6-12.....	1		
Japan:				
Ehime.....	Jan.-Feb.....			Present.
Hyogo.....	do.....			Do.
Kagawa.....	do.....			Do.
Kobe.....	Nov. 28-Dec. 10.....	4	1	
Do.....	Jan. 1-May 27.....	258	68	
Kochi.....	Jan.-Feb.....			Do.
Osaka.....	Jan. 22-May 25.....	688	163	
Taiwan Island—				
Tamsui.....	Mar. 29-Apr. 4.....	1		
Yokkaichi.....	Apr. 1-14.....	3	1	
Java:				
East Java.....				Sept. 16-Dec. 31, 1916: Cases, 92; deaths, 2. Jan. 8-Apr. 1, 1917: Cases, 35; death, 1.
Surabaya.....	Nov. 4-10.....	1		
Mid-Java.....				Sept. 16-Dec. 29, 1916: Cases, 227; deaths, 24. Jan. 6-Apr. 14, 1917: Cases, 147; deaths, 15.
Samarang.....	Nov. 4-10.....	3		
West Java.....				Sept. 29-Dec. 28, 1916: Cases, 408; deaths, 63. Jan. 19-Apr. 14, 1917: Cases, 206; deaths, 37.
Batavia.....	Sept. 29-Dec. 28.....	54	9	
Do.....	Dec. 29-Apr. 14.....	36	7	
Mexico:				
Coatepec.....	Apr. 18.....			Epidemic, 6 miles from Jalapa.
Durango.....	Feb. 17.....			Present; also in vicinity.
Jalapa.....	Apr. 18.....			Prevalent.
Mexico City.....	Dec. 10-30.....	20		
Do.....	Dec. 31-May 26.....	370		
Monterey.....	Mar. 12-Apr. 29.....		6	
Nuevo Laredo.....	Dec. 10-30.....	1		
Progreso.....	Apr. 7.....	1	1	
Vera Cruz.....	Feb. 18-May 19.....	9		
New Zealand:				
Auckland.....	Feb. 4-10.....	4		

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Norway:				
Trondhjem.....	Jan. 1-31.....	2		
Philippine Islands:				
Manila.....				Varioloid. July 2-Dec. 30, 1916: Cases, 14. Jan. 21-May 12, 1917: Cases, 100.
Portugal:				
Lisbon.....	Nov. 19-Dec. 28....	6		
Portuguese East Africa:				
Lourenço Marques.....	Sept. 1-30.....		1	
Russia:				
Archangel.....	Nov. 25-Dec. 29....	6	1	
Do.....	Jan. 1-Apr. 28.....	96	15	
Moscow.....	Oct. 16-Dec. 31....	139	49	Nov. 13-25, 1916: Cases, 35; deaths, 8.
Do.....	Jan. 1-Feb. 11.....	173	47	
Petrograd.....	Oct. 8-Dec. 30.....	180	65	
Do.....	Dec. 31-Apr. 14....	366	73	
Poland:				
Warsaw.....	Oct. 1-Dec. 2.....	25		Oct. 1-Dec. 2, 1916: Cases, 38.
Do.....	Jan. 9-Feb. 12.....	39	4	Mar. 4-20, 1916: Cases, 65 deaths, 7.
Riga.....	Dec. 1-31.....	1		
Do.....	Jan. 1-Apr. 14.....	5		
Vladivostok.....	Jan. 22-Apr. 2.....	28	11	
Siam:				
Bangkok.....	Mar. 4-Apr. 14....	2	1	
Spain:				
Bilbao.....	Jan. 1-31.....		2	
Cadiz.....	Nov. 1-Dec. 31....		3	
Madrid.....	do.....		144	Jan. 1-Dec. 31, 1916: Deaths, 405.
Do.....	Jan. 1-Apr. 30.....		48	
Malaga.....	Sept. 1-Nov. 30....		15	
Seville.....	Nov. 1-30.....		22	
Do.....	Jan. 1-Apr. 30.....		26	
Valencia.....	Nov. 19-Dec. 23....	5	1	
Do.....	Jan. 14-May 19....	17		
Straits Settlements:				
Penang.....	Oct. 28-Dec. 30....	16	3	
Do.....	Dec. 31-Mar. 17....	33	5	
Singapore.....	Nov. 19-Dec. 30....	3	2	
Do.....	Jan. 7-Apr. 21.....	5	2	
Sweden:				
Goteborg.....	Jan. 28-Feb. 3.....		1	
Stockholm.....	Mar. 18-31.....	2		
Switzerland:				
Basel.....	Nov. 5-11.....	1		
Do.....	Dec. 31-Mar. 24....	30		
Tunisia:				
Tunis.....	Nov. 25-Dec. 15....	51	27	
Do.....	Dec. 30-May 18....	78	51	
Turkey in Asia:				
Trebizond.....	Nov. 11-Dec. 30....	1	1	
Do.....	Dec. 31-Feb. 24....		20	
Union of South Africa:				
Johannesburg.....	Sept. 10-Dec. 30....	45		
Do.....	Dec. 31-Mar. 10....	22		
Uruguay:				
Montevideo.....	Feb. 1-28.....	1	1	
Venezuela:				
Maracaibo.....	Feb. 1-Apr. 21.....		22	
On vessel:				
S. S. Nippon Maru.....	Jan. 22.....	2		Landed at Yokohama quaran- tine.
Do.....	Jan. 24-Feb. 3.....	9	3	En route to Honolulu. Vessel from oriental ports.

## **TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Feb. 1-Apr. 30....	7	4	
Argentina:				
Rosario.....	Nov. 1-30.....		1	
Austria-Hungary:				
Austria.....				July 23-Oct. 21, 1916: Cases, 1,685.
Prague.....	Jan. 28-Mar. 10....	5		
Vienna.....	Nov. 5-Dec. 30....	21	2	
Do.....	Dec. 31-Mar. 24....	38	1	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Austria-Hungary—Continued.				
Bosnia-Herzegovina.....				July 23-Oct. 22, 1916: Cases, 32.
Hungary.....				Nov. 20-Dec. 17, 1916: Cases, 36.
Budapest.....	Nov. 5-Dec. 30.....	3	1	Dec. 23, 1916-Feb. 11, 1917: Cases, 130.
Do.....	Jan. 14-Mar. 31.....	94	45	
Belgium:				
Ghent.....	Oct. 29-Nov. 4.....		1	
Liege.....	do.....		1	
Do.....	Jan. 28-Feb. 3.....		1	
British Guiana:				
Georgetown.....	May 20-26.....		3	
Canada:				
Ontario—				
Ottawa.....	Apr. 9-15.....		1	
China:				
Antung.....	Nov. 27-Dec. 10.....	6		
Do.....	Jan. 15-21.....	2		
Hankow.....	Nov. 12-18.....	1		
Tientsin.....	Oct. 29-Nov. 4.....	1		
Tsingtao.....	Dec. 28-Apr. 22.....	10		
Cuba:				
Santiago.....	Dec. 7-13.....	1	1	
Egypt:				
Alexandria.....	Nov. 12-Dec. 31.....	33	12	
Do.....	Jan. 1-Apr. 29.....	1,574	387	
Calro.....	June 11-July 1.....	275	142	
Do.....	July 2-Dec. 31.....	330	159	
Port Said.....	June 11-17.....	20	9	
Do.....	July 2-Dec. 31.....	16	11	
Germany:				
Berlin.....	Oct. 15-Dec. 23.....		7	
Bremen.....	Oct. 22-Dec. 30.....	1	3	
Do.....	Dec. 31-Jan. 27.....	1	3	
Brunswick.....	Jan. 21-Feb. 17.....	1		
Erfurt.....	do.....	1	1	
Frankfort-on-Main.....	Nov. 12-18.....		1	
Greifswald.....	Feb. 18-Mar. 10.....	1		
Königsberg.....	Nov. 12-Dec. 23.....	5	5	
Do.....	Dec. 31-Feb. 17.....	6	2	
Marlenwerder district.....	Dec. 3-9.....	1		Prison camp.
Marlenwerder.....				
Posen.....	Feb. 18-Mar. 10.....	19		
Potsdam.....				
Merseburg.....	Jan. 21-Feb. 17.....	4		
Neidenburg.....	Oct. 29-Nov. 18.....	7		
Nuremberg.....	Oct. 29-Nov. 11.....	3		
Potsdam.....	Jan. 7-13.....	2		
Ruhleben.....	Feb. 18-Mar. 10.....	6		
Stettin.....	Jan. 21-27.....		1	
Great Britain:				
Belfast.....	Mar. 11-May 12.....	37	3	
Cork.....	Jan. 7-Feb. 3.....	1		
Glasgow.....	Dec. 3-30.....	4		
Do.....	Jan. 7-13.....		1	
Greece:				
Saloniki.....	Nov. 7-Dec. 25.....		36	
Do.....	Dec. 26-May 5.....		44	
Italy:				
Bari Province—				
Corato.....	Mar. 5-11.....	5		
Java:				
East Java.....				Sept. 16-Dec. 16, 1916: Cases, 10. Jan. 8-Apr. 15, 1917: Cases, 22; deaths, 4.
Mid-Java.....				Sept. 16-Dec. 29, 1916: Cases, 87; deaths, 7. Jan. 7-Apr. 14, 1917: Cases, 70; deaths, 7.
Samarang.....	Nov. 4-Dec. 1.....	10		
Do.....	Apr. 8-14.....	2		
West Java.....				Sept. 29-Dec. 28, 1916: Cases, 185; deaths, 13. Jan. 19-Apr. 20, 1917: Cases, 107; deaths, 6.
Batavia.....	Sept. 29-Dec. 28.....	139	12	
Do.....	Jan. 19-Apr. 20.....	81	3	
Mexico:				
Aguaascalientes.....	Dec. 22.....			Epidemic.
Ciudad Juarez.....				July, 1916-Feb. 5, 1917: Cases, 100 (estimated).
Durango.....	Dec. 12.....			Present.
Do.....	Jan.-Feb.....			Present. Estimated deaths

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—** Continued.

**Reports Received from Dec. 30, 1916, to June 29, 1917—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Mexico City.....	Dec. 3-30.....	835		daily, about 25. Present
Do.....	Dec. 31-May 19....	2,660		throughout year 1916.
Monterey.....	Apr. 2-8.....		1	
Nuevo Laredo.....	Dec. 10-16.....	4		July 1-Dec. 16, 1916: Cases, 28.
Netherlands:				
Amsterdam.....	Feb. 25-Mar. 3.....	2		
Rotterdam.....	Nov. 26-Dec. 30....	8		
Do.....	Feb. 4-10.....	1		
Russia:				
Archangel.....	Nov. 25-Dec. 29....	29	9	
Do.....	Jan. 1-Apr. 28.....	78	24	
Moscow.....	Oct. 16-Dec. 31....	127	17	
Do.....	Jan. 1-Feb. 11.....	141	19	
Petrograd.....	Oct. 8-Dec. 30....	155	44	
Do.....	Dec. 31-Mar. 17....	137	38	
Poland:				
Lodz.....	Oct. 1-Dec. 2.....	201	20	Oct. 1-Dec. 2, 1916: Cases, 1,538; deaths, 119. In invaded regions.
Warsaw.....	do.....	611	36	Mar. 4-May 29, 1916: Cases, 830; deaths, 80.
Do.....	Jan. 9-Feb. 12.....	497	27	
Riga.....	Apr. 8-14.....	1		
Vladivostok.....	Jan. 22-Mar. 31....	5		
Spain:				
Madrid.....	Nov. 1-Dec. 31....		3	Jan. 1-Dec. 31, 1916: Deaths, 35.
Do.....	Jan. 1-Apr. 30.....		5	
Straits Settlements:				
Penang.....	Feb. 25-Mar. 3.....	1		
Sweden:				
Stockholm.....	Nov. 28-Dec. 4.....	1		
Do.....	Dec. 31-Jan. 6.....	3		
Switzerland:				
Basel.....	Feb. 18-24.....	1		
Zurich.....	Dec. 3-9.....	1		
Do.....	Jan. 1-Mar. 17.....	4		
Trinidad.....	Apr. 22-28.....	4	3	
Tunisia:				
Tunis.....	Dec. 16-22.....	1		
Turkey in Asia.....				Feb. 7, 1917: 54 cases reported in army of the Orient. Present.
Adana.....	Apr. 8-14.....			
Haifa.....	Oct. 16-22.....	1		
Mersina.....	Apr. 8-14.....	2		
Tarsus.....	do.....			Do.
Trebizond.....	Dec. 17-30.....	3	3	
Do.....	Dec. 31-Feb. 24....		7	
Venezuela:				
Maracaibo.....	Apr. 15-May 19....		3	

## **YELLOW FEVER.**

Brazil:				
Espirito Santo, State.....	Jan. 27-Feb. 26....	18	4	
Pernambuco.....	Apr. 15-21.....	1	1	
Ecuador:				
Babahoyo.....	Nov. 1-30.....	1	1	
Chobo.....	do.....	1		
Duran.....	Oct. 1-31.....	1		
Guayaquil.....	Sept. 1-Dec. 31....	46	24	
Do.....	Jan. 1-30.....	17	7	
Do.....	(Sept. 1-31.....	1		
Milagro.....	(Oct. 1-31.....	2	1	
Do.....	Jan. 1-31.....	1		
Gold Coast.....				In 1915: Cases, 2; deaths, 2—European and native.

# INDEX.

## A.

	Page.
Academy of public health, American—Cincinnati, Ohio	167
Alabama:	
Birmingham—Measles	543
Cerebrospinal meningitis	900
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Jefferson County—Measles	853
Malaria	911
Measles. ( <i>See</i> Measles—State reports.)	
Pellagra	912
Poliomyelitis	914
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox	916
Typhoid fever	918
Alaska:	
Ketchikan—Measles	141, 177, 205, 298, 355
Southeastern section—Measles	355
Allied nations—Vessels—Preferential treatment at Cuban ports	674
American academy of public health—Cincinnati, Ohio	167
Anopheles quadrimaculatus—Distance of flight—Sanitary Engineer J. A. A. Le Prince and Asst. Epidemiologist T. H. D. Griffiths	656
Anopheline mosquitoes—Distribution and infection under field conditions—Technical Asst. M. Bruin Mitzmain	536
Anthrax:	
California	139
Connecticut—New Haven	7
Great Britain—	
Bradford district and vicinity	675
Longwood	553, 583
Todmorden	583
Kansas	176
Louisiana	1036
Massachusetts	297, 747, 987
Chelsea	908
North Adams	72
New Jersey	806, 987
Camden	176
New York	660
Ohio	1036
West Virginia	203
Anthrax in animals—Hawaii—Hanalei	660
Arabia—Aden—Plague	822, 961
Argentina:	
Leprosy	674
Plague—1899-1916	716
Arkansas:	
Cerebrospinal meningitis	247, 571, 909
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Malaria	249, 326, 573, 911, 912, 950
Measles. ( <i>See</i> Measles—State reports.)	
Pellagra	250, 326, 573, 913, 951
Poliomyelitis	252, 327, 574
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox	254, 328, 576, 916, 917, 954
Typhoid fever	257, 330, 578, 919, 955

	Page.
Atmospheres—Indoor—Aridity in winter.....	317
Australia:	
Queensland—Quarantine stations established.....	443
Victoria, State—Cerebrospinal meningitis, 1916.....	1062
Western Australia—Quarantine station established.....	524
Azores—Quarantine against, by Cuba, on account of plague.....	19

## B.

Biological products:	
Establishments licensed for propagation and sale.....	903
Notice to those concerned.....	565
Births—Registration—Compensation of local registrars.....	1
Brazil:	
Bahia—Plague.....	85
Joazeiro—Plague.....	85
Pernambuco—Yellow fever.....	1062
Pernambuco, State—Plague—January-April, 1917.....	961
Victoria—Yellow fever.....	216, 394

## C.

California:	
Anthrax.....	139
Cerebrospinal meningitis.....	7, 139, 353, 541, 609, 806
Clovis—Typhus fever.....	185
Diphtheria. (See Diphtheria—State reports.)	
Los Angeles—	
Leprosy.....	354, 852, 950, 1039
Measles.....	326, 356,
383, 408, 433, 478, 512, 543, 573, 611, 663, 705, 750, 808, 854, 951, 989	
Los Banos—Typhus fever.....	996
Malaria.....	8, 140, 354, 542, 611, 808
Measles.....	543
(See also Measles—State reports.)	
Oakland—Leprosy.....	807
Palo Alto—Rocky Mountain spotted fever.....	810
Pellagra.....	141, 808
Plague—Squirrels infected found.....	1042
Poliomyelitis.....	10, 142, 357, 545, 613, 809
Preventable diseases. (See Current State summaries—California:	
Preventable diseases—California: Special State reports—California.)	
Rocky Mountain spotted fever.....	327
Sacramento—Leprosy.....	748
San Diego—Leprosy.....	354, 382
San Francisco—Leprosy.....	8, 204, 248, 407, 542
San Francisco County—Plague—Squirrels infected found.....	913, 990
San Mateo County—Plague—Squirrels infected found.....	513, 612
Santa Cruz County—Plague—Squirrels infected found.....	951
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox.....	300, 359, 546, 615, 811
San Francisco quarantine.....	665
Vaccination history.....	12, 143, 359, 546, 615, 811
Typhoid fever.....	13, 144, 363, 548, 620, 815
Infection from polluted oysters.....	329
Cerebrospinal meningitis:	
Alabama.....	909
Arkansas.....	247, 571, 909
Australia—Victoria, State—Year 1916.....	1062
California.....	7, 139, 353, 541, 609, 806
City reports for week ended—	
December 16, 1916.....	7
December 23, 1916.....	72
December 30, 1916.....	139
January 6, 1917.....	176



## Cerebrospinal meningitis—Continued.

City reports for week ended—	Page.
January 13, 1917.....	203
January 20, 1917.....	247
January 27, 1917.....	297
February 3, 1917.....	325
February 10, 1917.....	353
February 17, 1917.....	381
February 24, 1917.....	407
March 3, 1917.....	432
March 10, 1917.....	477
March 17, 1917.....	510
March 24, 1917.....	541
March 31, 1917.....	572
April 7, 1917.....	610
April 14, 1917.....	661
April 21, 1917.....	704
April 28, 1917.....	748
May 5, 1917.....	807
May 12, 1917.....	851
May 19, 1917.....	910
May 26, 1917.....	949
June 2, 1917.....	988
June 9, 1917.....	1038
Colorado.....	949
Connecticut.....	203, 353, 431, 510, 661, 909
Current prevalence.....	639, 687, 839
District of Columbia.....	176, 571, 747, 988
Hawaii.....	297, 407, 704
Illinois—Mound City.....	609
In States—Prevalence during 1916.....	939
Indiana.....	72, 381, 661, 850
Iowa.....	7, 203, 510, 661, 850
Kansas.....	72, 176, 510, 609, 850, 948, 1037
Lincoln.....	629
Wright County.....	325
Louisiana.....	203, 353, 477, 609, 850
Maryland.....	139, 571, 806, 988
Massachusetts.....	139, 297, 431, 571, 747, 988
Mexico—Chihuahua.....	1000
Mississippi.....	7, 353, 510, 661, 851, 1037
Montana.....	297, 909
New York.....	247, 661, 806
Ohio.....	247, 381, 909, 949, 1037, 1038
Akron.....	850
Pennsylvania.....	851, 1037
Recent prevalence in certain States.....	703
Rhode Island.....	909, 910, 1037
South Carolina.....	203, 353, 477, 609, 851, 1037
South Dakota.....	806, 851, 988
Texas—Galveston.....	660, 949
Vermont.....	571
Virginia.....	72, 247, 381, 541, 747, 909
Middlesex County.....	476
Washington.....	851, 949
West Virginia.....	203, 353, 431, 609, 806, 988
Wisconsin.....	139, 297, 431, 571, 747, 988
Wyoming.....	477
Ceylon:	
Cholera—Mortality, 1915 and 1916.....	925
Mortality, 1916.....	925
Plague—Mortality, 1915 and 1916.....	925
Smallpox—Mortality, 1915 and 1916.....	925
Chemical closets.....	1017
Chicago, Rock Island & Pacific Railway Co.—Instructions to surgeons re- garding typhus fever preventive measures.....	345

	Page.
Chile:	
Antofagasta—Plague	216, 583
Tacna—Plague	583
China:	
Amoy—Plague	871
Precautions against access of rats to vessels	871
Canton—Cholera—Correction	216
Hing Ning—Plague among rats	553
Hongkong—	
Plague—	
Rats examined	189, 335, 370, 416, 443, 674, 716, 761, 1062
Rats infected found	189, 335, 370, 416, 443, 716
Quarantine against, by Bangkok, Siam, on account of smallpox removed	926
Quarantine against, by Siam on account of smallpox	308
Kansu Province—Pneumonic plague	85
Shanghai—Plague—Rats examined	85, 189, 216, 335, 370, 416, 553, 822, 1063
Cholera:	
Ceylon—Mortality, 1915 and 1916	925
China—Canton—Correction	216
Chosen—Summary, August–December, 1916	416
Foreign reports—	
Cumulative table	87, 152, 192, 219, 265, 310, 338, 372, 397, 418, 445, 493, 526, 555, 586, 630, 678, 718, 764, 825, 874, 927, 962, 1002, 1064
Weekly table	20, 85, 150, 190, 217, 264, 309, 336, 370, 395, 417, 443, 490, 525, 553, 584, 628, 676, 717, 762, 823, 872, 926, 961, 1001, 1063
India—Calcutta	370
Indo-China—January, 1917	871
Japan—	
Formosa—Free from	190
Taiwan Island—Free from	190
Korea—Free from	190
Philippine Islands—Manila	541
Chosen:	
(See also Korea.)	
Cholera—Summary, August–December, 1916	416
City ordinances and regulations. (See Sanitary legislation.)	
Climate and tuberculosis—Relation of climate to recovery—Asst. Surg. Gen. John W. Trask	318
Clinical thermometers—Rack and disinfector for—Convenient portable apparatus—Pharmacist B. E. Holsendorf	403
Closets, chemical	1017
Colorado:	
Cerebrospinal meningitis	949
Colorado Springs—Typhoid fever—Milk-borne infection	518
Denver—Rabies—Pasteur treatment	252
Diphtheria. (See Diphtheria—State reports.)	
La Junta—Typhus fever	185
Malaria	950
Measles. (See Measles—State reports.)	
Rocky Mountain spotted fever	327
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	209, 387, 619, 709, 917
Trinidad—Typhus fever	185
Typhoid fever	955
Commission on milk standards—Third report of commission appointed by New York milk committee	271
Communicable diseases:	
(See also Sanitary legislation—Communicable diseases.)	
Cuba—Habana	19,
	150, 189, 216, 308, 335, 394, 443, 490,
	583, 627, 674, 716, 822, 871, 961, 1000
Notification of cases—New regulations patterned after model law—	
Florida	503
Conference of health authorities—April 30 and May 1, 1917	689

# INDEX.

VII

	Page.
Connecticut:	
Cerebrospinal meningitis.....	203, 353, 431, 510, 661, 909
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Measles. ( <i>See</i> Measles—State reports.)	
New Haven—Anthrax.....	7
Pellagra.....	912
Polio-myelitis.....	207, 357, 514, 664, 914
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox.....	11,
	77, 143, 179, 208, 209, 253, 300, 328, 361, 385, 409,
	435, 515, 517, 575, 614, 666, 707, 810, 915, 917, 953
Typhoid fever.....	210, 363, 518, 668, 918
Court decisions:	
( <i>See also</i> Sanitary legislation—Court decisions.)	
Births—Registration—Compensation of local registrars.....	1
Deaths—Registration—Compensation of local registrars.....	1
Digest—Asst. Editor Jason Waterman.....	453
Milk—	
Dealers—Widal test.....	41
Temperature during transportation—Responsibility of railroad company.....	99
Cuba:	
Habana—	
Communicable diseases.....	19, 150, 189, 216, 308,
	335, 394, 443, 490, 583, 627, 674, 716, 822, 871, 961, 1000
Malaria.....	263
Plague—Rats examined.....	263
Smallpox—From vessels.....	189
Preferential treatment for vessels of allied nations.....	674
Quarantine against Azores on account of plague.....	19
Quarantine against Martinique on account of yellow fever removed.....	524
Quarantine against State of Vera Cruz, Mexico, on account of yellow fever removed.....	524
Current State summaries—California report for week ended:	
May 26, 1917.....	907
June 2, 1917.....	907
June 9, 1917.....	918
June 16, 1917.....	987
June 23, 1917.....	1035
Cyprus:	
Leprosy—1910—1915.....	335
Malaria—1910—1915.....	335
Typhoid fever—1910—1915.....	335

## D.

Deaths—Registration—Compensation of local registrars.....	1
Decisions of courts. ( <i>See</i> Court decisions; Sanitary legislation—Court decisions.)	
Digest of court decisions—Asst. Editor Jason Waterman.....	453
Digitalis, wild American—Activity—Technical Asst. George B. Roth.....	377
Diphtheria:	
City reports for week ended—	
December 16, 1916.....	15
December 23, 1916.....	82
December 30, 1916.....	147
January 6, 1917.....	186
January 13, 1917.....	212
January 20, 1917.....	259
January 27, 1917.....	304
February 3, 1917.....	331
February 10, 1917.....	367
February 17, 1917.....	391
February 24, 1917.....	412
March 3, 1917.....	439
March 10, 1917.....	486

## Diphtheria—Continued.

City reports for week ended—	Page.
March 17, 1917.....	521
March 24, 1917.....	550
March 31, 1917.....	580
April 7, 1917.....	624
April 14, 1917.....	670
April 21, 1917.....	713
April 28, 1917.....	756
May 5, 1917.....	818
May 12, 1917.....	866
May 19, 1917.....	921
May 26, 1917.....	957
June 2, 1917.....	996
June 9, 1917.....	1058
Hawaii report for—November, 1916.....	304
In cities of over 100,000—Prevalence during 1916.....	640
In States—Prevalence during 1916.....	903
North Carolina—Edgecombe County.....	851
State reports for—	
September, 1916.....	82
October, 1916.....	82, 259
November, 1916.....	15, 82, 259
December, 1916.....	146, 186, 212, 259, 304, 331
January, 1917.....	304, 366, 391, 412, 579, 712, 921
February, 1917.....	439, 486, 520, 549, 579, 712, 921, 1058
March, 1917.....	579, 624, 670, 712, 756, 866, 920, 1058
April, 1917.....	756, 817, 866, 920, 957
May, 1917.....	996, 1058
Directory—State and insular health authorities—Year 1917.....	1020
Diseases, notifiable—In cities of over 100,000—Prevalence during 1916.....	595
District of Columbia:	
Cerebrospinal meningitis.....	176, 571, 747, 988
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
Pellagra.....	177, 299, 433, 990
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox.....	753, 992
Vaccination history.....	753, 992
Typhoid fever.....	183, 302, 437, 577, 754, 994
Districts, interstate sanitary.....	315
Dominican Republic—Quarantine against Porto Rico on account of smallpox removed.....	336
Drinking fountains—Investigation of fountains at University of Minnesota—H. A. Whittaker.....	691

## E.

Ecuador:	
Plague.....	490
Yellow fever.....	490
Egypt:	
Alexandria—	
Plague—On vessels.....	19
Typhus fever—January-April, 1917.....	926
Keneh Province—Pneumonic plague.....	761
Plague—Summary, 1899-1915.....	925
Typhus fever—Years 1911-1915.....	925
Ellis Island—Mental examination of immigrants—Surg. E. H. Mullan.....	733
Epidemic cerebrospinal meningitis. (See Cerebrospinal meningitis.)	
Erysipelas—City reports for week ended:	
December 16, 1916.....	8
December 23, 1916.....	73
December 30, 1916.....	140
January 6, 1917.....	176
January 13, 1917.....	204
January 20, 1917.....	248
January 27, 1917.....	298

Erysipelas—City reports for week ended:	Page.
February 3, 1917.....	325
February 10, 1917.....	353
February 17, 1917.....	382
February 24, 1917.....	407
March 3, 1917.....	432
March 10, 1917.....	477
March 17, 1917.....	511
March 24, 1917.....	542
March 31, 1917.....	572
April 7, 1917.....	610
April 14, 1917.....	662
April 21, 1917.....	705
April 28, 1917.....	748
May 5, 1917.....	807
May 12, 1917.....	852
May 19, 1917.....	910
May 26, 1917.....	950
June 2, 1917.....	989
June 19, 1917.....	1039

## F.

Fans, mechanical—Use to increase efficiency of fumigating gases—Surg. S. B. Grubbs.....	699
Florida—Morbidity reports—New regulations patterned after model law	503
Fountains, drinking—Investigation of fountains at University of Minne- sota—H. A. Whittaker.....	691
Fox, Carroll, surgeon—Public health administration:	
Piqua, Ohio.....	974
South Bend, Ind.....	776
Freeman, A. W., epidemiologist—Typhoid fever and municipal adminis- tration.....	642
Fumigating gases—Use of mechanical fans to increase efficiency of—Surg. S. B. Grubbs.....	699

## G.

Georgia—Savannah—Measles.....	611, 705
Glanders (human case)—Massachusetts—Springfield.....	298
Glover, James W.—The new United States life tables—Their purpose and what they show.....	1
Great Britain:	
Bradford district and vicinity—Anthrax.....	675
Bristol—Plague—Rats examined.....	150, 217, 416
Hull—Plague—	
Rats examined.....	19, 217, 308
Rats infected found.....	584
Liverpool—Plague—	
Rats examined.....	150, 217, 263, 336, 761, 1063
Rats infected found.....	524, 761
London—Plague—	
On steamship "Sardinia".....	1000
Rats examined.....	336
Rats infected found.....	336
Longwood—Anthrax.....	553, 583
Todmorden—Anthrax.....	583
Greece—Athens—Plague.....	627
Griffitts, T. H. D., assistant epidemiologist—Flight of mosquitoes—Dis- tance of flight of <i>Anopheles quadrimaculatus</i> .....	656
Grubbs, S. B., surgeon:	
Detection of hydrocyanic acid gas—Use of small animals for this pur- pose.....	565
Mechanical fans—Their use to increase efficiency of fumigating gases	699
Guilfooy, Wm. H., M. D.—Occupation and mortality—Their relation as indicated by mortality returns in New York City for 1914.....	885
43124°—18—2	

## H.

Hawaii:	Page.
Cerebrospinal meningitis.....	297, 407, 704
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Hanalei—Anthrax.....	660
Leprosy.....	298
Measles. ( <i>See</i> Measles—State reports.)	
Paaupau—Plague—Rat infected found.....	990
Paaupau—Plague.....	433, 1042
Smallpox.....	301
Typhoid fever.....	302, 303, 410, 518, 710
Health—Maintenance in Industries—Relation to adequate production of war materials—Surg. J. W. Schereschewsky.....	835
Health authorities:	
Conference—Apr. 30 and May 1, 1917.....	689
State and Insular—Directory for 1917.....	1020
Holsendorf, B. E., pharmacist—Rack and disinfecter for clinical thermometers—A convenient portable apparatus.....	403
Hospitals—Morbidity statistics—Need for them and means for collection and publication—Edwin W. Kopf.....	940
Hydrocyanic acid gas—Detection—Use of small animals—Surg. S. B. Grubbs.....	565

## I.

Idaho:	
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Measles. ( <i>See</i> Measles—State reports.)	
Rocky Mountain spotted fever.....	327
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox.....	78
Typhoid fever.....	80
Illinois:	
Alexander County—Smallpox.....	208
Cairo—	
Measles.....	249, 383, 543, 573
Smallpox.....	515, 545, 575, 614, 707, 915
Mound City—Cerebrospinal meningitis.....	609
Immigrants—Mental examination—Administration and line inspection at Ellis Island—Surg. E. H. Mullan.....	733
Immunization against typhus fever—Report of unsuccessful attempt to immunize monkeys—Surg. G. W. McCoy and Passed Asst. Surg. M. H. Neill.....	841
India:	
Bombay—Plague—Protection of vessels against access of rats.....	627
Calcutta—Cholera.....	370
Madras—	
Comparative immunity from plague—Rat destruction.....	308
Smallpox—1901-1912 and 1915-1916.....	822
Indiana:	
Cerebrospinal meningitis.....	72, 381, 661, 850
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Indianapolis—Leprosy.....	8
Malaria.....	852
Measles. ( <i>See</i> Measles—State reports.)	
Poliomyelitis.....	76, 251, 384, 545, 664, 856
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox.....	78, 254, 387, 547, 666, 860
South Bend—Public health administration in—Surg. Carroll Fox.....	776
Typhoid fever.....	79, 255, 388, 548, 668, 863
Indo-China:	
Cholera—January, 1917.....	871
Plague—January, 1917.....	871
Smallpox—January, 1917.....	871
Indoor atmospheres—Aridity in winter.....	317
Industries—Maintenance of health in—Relation to adequate production of war materials—Surg. J. W. Schereschewsky.....	835
Infantile paralysis. ( <i>See</i> Poliomyelitis.)	



	Page.
Insular and State health authorities—Directory for 1917.....	1020
Interstate quarantine regulations.....	315
Interstate sanitary districts.....	315
Interstate sanitary relations—Asst. Surg. Gen. W. C. Rucker.....	198
Iowa:	
Cerebrospinal meningitis.....	7, 203, 510, 661, 850
Diphtheria. ( <i>See</i> Diphtheria—State reports.).....	
Poliomyelitis.....	10, 207, 384, 514, 664, 856
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.).....	
Smallpox.....	12, 209, 387, 517, 666, 861
Italy—Corato—Typhus fever.....	627

## J.

Japan:	
( <i>See also</i> Korea.)	
Formosa—Cholera—Free from.....	190
Nagoya—Plague—Subsidence.....	394
Taiwan Island—Cholera—Free from.....	190
Yokkaichi—Plague—Subsidence.....	394
Java—Cheribon—Malaria.....	19, 675
Judicial opinions. ( <i>See</i> Court decisions; Sanitary legislation—Court decisions.)	

## K.

Kansas:	
Anthrax.....	176
Cerebrospinal meningitis.....	72, 176, 510, 609, 850, 948, 1037
Diphtheria. ( <i>See</i> Diphtheria—State reports.).....	
Lincoln—Cerebrospinal meningitis.....	660
Malaria.....	73, 381, 511, 611, 852, 1039
Measles. ( <i>See</i> Measles—State reports.).....	
Pellagra.....	74, 177, 383, 612, 854, 1041
Poliomyelitis.....	76, 178, 514, 613, 855, 856, 1043
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.).....	
Smallpox.....	385, 516, 615, 858, 1045
Vaccination history.....	77, 179, 385, 516, 615, 858, 1045
Typhoid fever.....	79, 183, 388, 518, 620, 863, 1053
Wright County—Cerebrospinal meningitis.....	325
Kentucky—Louisville—Measles.....	249, 408
Kopf, Edwin W.—Morbidity statistics of hospitals—Need for them and means for collection and publication.....	940
Korea:	
( <i>See also</i> Chosen.)	
Cholera—Free from.....	190

## L.

Laundries and the public health—A sanitary study including bacteriologic tests—M. C. Schroeder and S. G. Southerland.....	225
Laws. ( <i>See</i> Sanitary legislation.)	
Legislation. ( <i>See</i> Sanitary legislation.)	
Le Prince, J. A. A., sanitary engineer—Flight of mosquitoes—Distance of flight of <i>Anopheles quadrimaculatus</i> .....	656
Leprosy:	
Argentina.....	674
California—	
Los Angeles.....	354, 950, 1039
Los Angeles County.....	852
Oakland.....	807
Sacramento.....	748
San Diego.....	354
San Francisco.....	8, 204, 248, 407, 542
Cyprus—1910-1915.....	335
Hawaii.....	298
Indiana—Indianapolis.....	8

	Page.
Leprosy—Continued.	
Louisiana—	
New Orleans.....	204, 354, 382, 432, 950
New Orleans Parish.....	432
Massachusetts—Springfield.....	749, 852
New Jersey—	
Jersey City.....	354, 432
Newark.....	140
New York—New York City.....	326, 511, 950
Oregon—Klamath Falls.....	1039
Pennsylvania—Williamsport.....	140
Wisconsin—Milwaukee.....	354
Life tables—United States—Their purpose and what they show—James W. Glover.....	1
Longevity—What people live longest.....	501
Louisiana:	
Anthrax.....	1036
Cerebrospinal meningitis.....	203, 353, 477, 609, 850
Diphtheria. (See Diphtheria—State reports.)	
Malaria.....	204, 354, 611, 852
Measles. (See Measles—State reports.)	
New Orleans—	
Leprosy.....	204, 354, 382, 432, 950
Plague—Rats infected found.....	10, 357, 664
New Orleans Parish—Leprosy.....	432
Pellagra.....	206, 356, 478, 612, 854
Poliomyelitis.....	207, 479, 613, 856, 1043
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox.....	209, 361, 483, 619, 861, 1052
Typhoid fever.....	210, 363, 484, 621, 863, 1053
Westwego—Plague—Rats infected found.....	357

## M.

McCoy, G. W., surgeon—Immunization against typhus fever—Report of unsuccessful attempt to immunize monkeys.....	841
Maine:	
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
Poliomyelitis.....	856, 1043
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox.....	861, 1052
Typhoid fever.....	863, 1053
Malaria:	
Alabama.....	911
Anopheles quadrimaculatus—Distance of flight—Sanitary Engineer J. A. A. Le Prince and Asst. Epidemiologist T. H. D. Griffiths.....	656
Anopheline mosquitoes—Distribution and infection under field conditions—Technical Asst. M. Bruhn Mitzmain.....	536
Arkansas.....	249, 326, 573, 911, 912, 950
California.....	8, 140, 354, 542, 611, 808
City reports for week ended—	
December 16, 1916.....	9
December 23, 1916.....	73
December 30, 1916.....	140
January 6, 1917.....	205
January 13, 1917.....	205
January 20, 1917.....	249
February 3, 1917.....	326
February 10, 1917.....	355
February 24, 1917.....	407
March 3, 1917.....	433
March 10, 1917.....	478
March 17, 1917.....	512
March 24, 1917.....	543
March 31, 1917.....	573

## Malaria—Continued.

City reports for week ended—	Page.
April 7, 1917	573
April 14, 1917	663
April 21, 1917	705
April 28, 1917	750
May 5, 1917	808
May 12, 1917	853
May 19, 1917	912
May 26, 1917	951
June 2, 1917	889
June 9, 1917	1040
Colorado	950
Cuba—Habana	263
Cyprus—1910-1915	335
Indiana	852
Java—Cheribon	19, 675
Kansas	73, 382, 511, 611, 852, 1039
Louisiana	204, 354, 478, 611, 852
Maryland	140, 354, 433, 808, 989
Massachusetts	140, 433, 572, 749, 989
Minnesota	1039
Mississippi	8, 204, 354, 511, 662, 853, 1039
New Jersey	177, 478, 611, 808, 1040
Ohio	248, 950, 1040
South Carolina	205, 355, 478, 611, 853, 1040
Virginia	73, 248, 382, 542, 749, 911
Martinique—Quarantine against, by Cuba on account of yellow fever removed.	524
Maryland:	
Cerebrospinal meningitis	139, 571, 806, 988
Diphtheria. (See Diphtheria—State reports.)	
Malaria	140, 354, 433, 808, 989
Measles. (See Measles—State reports.)	
Pellagra	573
Poliomyelitis	142, 357, 434, 574, 809, 991
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	436, 575, 811, 992
Vaccination history	436, 575, 811, 992
Typhoid fever	144, 363, 437, 577, 815, 994
Massachusetts:	
Anthrax	297, 747, 987
Cerebrospinal meningitis	139, 297, 431, 571, 747, 988
Chelsea—Anthrax	908
Diphtheria. (See Diphtheria—State reports.)	
Fitchburg—Smallpox	857
Gardner—Typhoid fever	709
Malaria	140, 433, 572, 749, 989
Measles. (See Measles—State reports.)	
North Adams—Anthrax	72
Pellagra	141, 573, 750, 990
Poliomyelitis	142, 299, 434, 574, 751, 991
Preventable diseases. (See Preventable diseases—Massachusetts; Special State reports—Massachusetts.)	
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	301, 436, 575, 753, 992
Vaccination history	143, 436, 575, 753, 992
Springfield—	
Glanders (human case)	298
Leprosy	852, 749
Typhoid fever	145, 302, 437, 577, 754, 994
Worcester—	
Smallpox	409, 480, 545, 665, 729, 857, 939
Virulent smallpox	752
Mauritius—Plague	584

## Measles:

Alabama—	Page.
Birmingham.....	543
Jefferson County.....	853
Alaska—	
Ketchikan.....	141, 177, 205, 298, 355
Southeastern section.....	355
California.....	543
Los Angeles.....	326, 356,
383, 408, 433, 478, 512, 543, 573, 611, 663, 705, 750, 808, 854, 951, 989	

## City reports for week ended—

December 16, 1916.....	15
December 23, 1916.....	82
December 30, 1916.....	147
January 6, 1917.....	186
January 13, 1917.....	212
January 20, 1917.....	259
January 27, 1917.....	304
February 3, 1917.....	331
February 10, 1917.....	367
February 17, 1917.....	391
February 24, 1917.....	412
March 3, 1917.....	439
March 10, 1917.....	486
March 17, 1917.....	517
March 24, 1917.....	550
March 31, 1917.....	580
April 7, 1917.....	624
April 14, 1917.....	670
April 21, 1917.....	713
April 28, 1917.....	756
May 5, 1917.....	818
May 12, 1917.....	866
May 19, 1917.....	921
May 26, 1917.....	957
June 2, 1917.....	996
June 9, 1917.....	1058
Georgia—Savannah.....	611, 705
Hawaii report for November, 1916.....	304
Illinois—Cairo.....	249, 383, 543, 573
Kentucky—Louisville.....	249, 408
North Carolina—Edgecombe County.....	854

## State reports for—

September, 1916.....	82
October, 1916.....	82, 259
November, 1916.....	15, 82, 259
December, 1916.....	146, 186, 212, 259, 304, 331
January, 1917.....	304, 366, 391, 412, 579, 712, 921
February, 1917.....	439, 486, 520, 549, 579, 712, 921, 1058
March, 1917.....	579, 624, 670, 712, 756, 806, 920, 1058
April, 1917.....	756, 817, 866, 920, 957
May, 1917.....	996, 1058

Texas—Hill County.....	383
------------------------	-----

Washington—Seattle.....	250,
-------------------------	------

298, 356, 383, 408, 433, 478, 544, 612, 663, 705, 750, 808, 854

## Mechanical fans—Use to increase efficiency of fumigating gases—Surg.

S. B. Grubbs.....	699
-------------------	-----

## Mental examination of immigrants—Administration and line inspection

at Ellis Island—Surg. E. H. Mullan.....	733
---	-----

## Mexico:

Aguascalientes—Typhus fever decreasing.....	553
Chihuahua—Cerebrospinal meningitis.....	1000
Durango—Typhus fever.....	394
Typhus fever—Preventive measures on the Mexican border—Senior Surg. C. C. Pierce.....	426
Vera Cruz—Quarantine against, by Cuba on account of yellow fever removed.....	524

Michigan:	
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Measles. ( <i>See</i> Measles—State reports).	Page.
Poliomyelitis	178, 358, 479, 613, 809, 1043
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Smallpox	359, 481, 616, 811, 1046
Vaccination history	180, 359, 481, 616, 811, 1046
Typhoid fever	183, 364, 484, 621, 815, 1053
Milk:	
Dealers—Widal test	41
Temperature during transportation—Responsibility of railroad company	99
Milk standards—Third report of commission appointed by New York milk committee	271
Minnesota:	
Cerebrospinal meningitis	176, 353, 431, 571, 850, 908, 1037
Diphtheria. ( <i>See</i> Diphtheria—State reports).	
Duluth—Virulent smallpox	973, 992
Malaria	1039
Measles. ( <i>See</i> Measles—State reports).	
Pellagra	1041
Poliomyelitis	178, 358, 479, 613, 856, 1043
Reciprocal notification	175, 352, 476, 608, 849, 1036
St. Paul—Public health administration in—Surg. G. B. Young	41, 99
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Smallpox	11, 77, 143, 179, 208, 253, 300, 328, 359, 360, 385, 409, 435, 480, 482, 515, 545, 575, 614, 617, 665, 707, 752, 810, 857, 859, 915, 953, 992, 1045, 1048
Vaccination history	181, 360, 482, 617, 859, 1048
Typhoid fever	184, 364, 484, 622, 863, 1054
Mississippi:	
Cerebrospinal meningitis	7, 353, 510, 661, 851, 1037
Diphtheria. ( <i>See</i> Diphtheria—State reports).	
Malaria	8, 204, 354, 511, 662, 853, 1039
Measles. ( <i>See</i> Measles—State reports).	
Pellagra	9, 206, 356, 513, 663, 854, 1041
Poliomyelitis	10, 207, 358, 514, 664, 1043
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Smallpox	12, 209, 362, 517, 666, 861, 1052
Typhoid fever	13, 210, 364, 519, 668, 864, 1054
Missouri—St. Louis—Typhoid fever—Milk-borne epidemic	813
Mitzmain, M. Bruin, technical assistant—Anopheline mosquitoes—Their distribution and infection under field conditions	536
Montana:	
Cerebrospinal meningitis	297, 909
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Measles. ( <i>See</i> Measles—State reports.)	
Poliomyelitis	300, 914, 1043
Rocky Mountain spotted fever	327, 1044
Notified during May, 1917	1013
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox	301, 708, 916, 1049
Vaccination history	708, 916, 1049
Typhoid fever	302, 710, 918, 919, 1055
Morbidity reports:	
( <i>See also</i> Sanitary legislation—Morbidity reports.)	
Communicable diseases—New regulations patterned after model law—Florida	503
Morbidity statistics of hospitals—Need for them and means for collection and publication—Edwin W. Kopf	940
Morbidity tables, standard—Significance to public-health administration	773
Mortality:	
Ceylon—1916	925
Venezuela—April, 1916	263
Mortality and occupation—Relation as indicated by mortality returns in New York City for 1914—Dr. Shirley W. Wynne and Dr. Wm. H. Guilfoxy	885

	Page.
Mosquitoes—Anopheles quadrimaculatus—Distance of flight—Sanitary Engineer J. A. A. Le Prince and Asst. Epidemiologist T. H. D. Griffiths	656
Mosquitoes, anopheline—Distribution and infection under field conditions—Technical Asst. M. Bruin Mitzmain	536
Mullan, E. H., surgeon—Mental examination of immigrants—Administration and line inspection at Ellis Island	733
Municipal administration and typhoid fever—Epidemiologist A. W. Freeman	642
N.	
Neill, M. H., passed assistant surgeon—Immunization against typhus fever—Report of unsuccessful attempt to immunize monkeys	841
Nevada:	
Diphtheria. (See Diphtheria—State reports.)	
Humboldt County—Rocky Mountain spotted fever	992
Measles. (See Measles—State reports.)	
Paradise—Rocky Mountain spotted fever	810
Rocky Mountain spotted fever	327
Scarlet fever. (See Scarlet fever—State reports.)	
Typhoid fever	918
New Hampshire:	
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
Poliomyelitis	991
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	993
Typhoid fever	995
New Jersey:	
Anthrax	806, 987
Burlington County—Smallpox—Correction	1045
Camden—Anthrax	176
Diphtheria. (See Diphtheria—State reports.)	
Jersey City—Leprosy	354, 432
Malaria	177, 611, 808, 1040
Newark—Leprosy	140
Poliomyelitis	178, 358, 479, 613, 809, 1043
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	182, 362, 619, 1052
Typhoid fever	184, 365, 484, 622, 816, 1055
New York:	
Anthrax	660
Cerebrospinal meningitis	247, 661, 806
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
New York City—	
Leprosy	326, 950
Typhus fever	15, 185, 669, 817
Poliomyelitis	251, 664, 809
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	606, 812
Vaccination history	812
Typhoid fever	255, 668, 816
Utica—Typhoid fever	329
New Zealand—Wellington health district—Poliomyelitis—Prevalence during 1914-1916	564
North Carolina—Edgecombe County:	
Measles	851, 854
Smallpox	857, 915
North Dakota:	
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
Poliomyelitis	251
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	12, 254, 387, 517, 666, 861
Typhoid fever	14, 256, 389, 519, 668, 864
Notifiable diseases—In cities of over 100,000—Prevalence during 1916	595



# INDEX.

XVII

## O.

	Page.
Occupation and mortality—Relation as indicated by mortality returns in New York City for 1914—Dr. Shirley W. Wynne and Dr. Wm. H. Guilfooy .....	885
Ohio:	
Akron—Cerebrospinal meningitis .....	850
Anthrax .....	1036
Cerebrospinal meningitis .....	247, 381, 909, 949, 1037, 1038
Cleveland—Smallpox .....	665
Diphtheria. (See Diphtheria—State reports.)	
Malaria .....	248, 950, 1040
Measles. (See Measles—State reports.)	
Pellagra .....	951
Piqua—Public health administration in—Surg. Carroll Fox .....	974
Poliomyelitis .....	251, 384, 952, 1043, 1044
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox .....	253, 254, 386, 953, 1049, 1050
Vaccination history .....	253, 386, 953, 1049, 1050, 1051
Springfield—Smallpox .....	435, 546
Toledo—Smallpox—Correction .....	546
Typhoid fever .....	256, 389, 956, 1055, 1056
Oklahoma:	
Kusa—Smallpox .....	707
Okmulgee—Rabies in animals .....	752, 991
Okmulgee County Jail—Smallpox .....	435, 546
Ordinances. (See Sanitary legislation.)	
Oregon:	
Astoria—Smallpox .....	575, 614, 810, 953
Diphtheria. (See Diphtheria—State reports.)	
Klamath Falls—Leprosy .....	1039
Measles. (See Measles—State reports.)	
Poliomyelitis .....	76, 251
Rocky Mountain spotted fever .....	327
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox .....	254, 410, 576, 709
Typhoid fever .....	80, 256, 257, 410, 578, 710

## P.

Paragonimiasis—Peru—Made notifiable .....	395
Pellagra:	
Alabama .....	912
Arkansas .....	250, 326, 573, 913, 951
California .....	141, 808
City reports for week ended—	
December 16, 1916 .....	10
December 23, 1916 .....	74
December 30, 1916 .....	141
January 6, 1917 .....	177
January 13, 1917 .....	206
January 20, 1917 .....	250
January 27, 1917 .....	299
February 3, 1917 .....	326
February 10, 1917 .....	357
February 17, 1917 .....	383
February 24, 1917 .....	408
March 3, 1917 .....	433
March 10, 1917 .....	478
March 17, 1917 .....	513
March 24, 1917 .....	544
March 31, 1917 .....	574
April 7, 1917 .....	612
April 14, 1917 .....	664
April 21, 1917 .....	705
April 28, 1917 .....	751

## Pellagra—Continued.

City reports for week ended—	Page.
May 5, 1917	808
May 12, 1917	855
May 19, 1917	813
May 26, 1917	951
June 2, 1917	990
June 9, 1917	1041
Connecticut	912
District of Columbia	177, 299, 433, 990
Kansas	74, 177, 383, 612, 854, 1041
Louisiana	206, 356, 478, 612, 854
Maryland	573
Massachusetts	141, 573, 750, 990
Minnesota	1041
Mississippi	9, 206, 356, 513, 663, 854, 1041
Ohio	951
South Carolina	206, 356, 478, 612, 855, 1041
Virginia	74, 250, 383, 544, 750, 912
West Virginia	206, 356, 990
Pennsylvania:	
Cerebrospinal meningitis	851, 1037
Diphtheria. ( <i>See</i> Diphtheria—State reports.)	
Measles. ( <i>See</i> Measles—State reports.)	
Philadelphia—Smallpox	857
Poliomyelitis	856, 1043
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox	861, 1052
Typhoid fever	864, 1055
Williamsport—Leprosy	140
Peru:	
Paragonimiasis—Made notifiable	395
Plague—	
January 1–February 15, 1917	628
February 16–May 15, 1917	1000
Year 1916	675
Phelps, Earle B., professor—Streams—Control of pollution—International Joint Commission and pollution of boundary waters	167
Philippine Islands—Manila—Cholera	541
Pierce, C. C., senior surgeon—Combating typhus fever on the Mexican border	426
Plague:	
Arabia—Aden	822, 961
Argentina—1899–1916	716
Brazil—	
Bahia	85
Joazeiro	85
Pernambuco State—January–April, 1917	961
California—	
San Francisco County—Squirrels infected found	913, 990
San Mateo County—Squirrels infected found	513, 612
Santa Cruz County—Squirrels infected found	951
Squirrels infected found	1042
Ceylon—Mortality, 1915 and 1916	925
Chile—	
Antofagasta	216, 583
Tacna	583
China—	
Amoy	871
Precautions against access of rats to vessels	871
Hing Ning—Rats infected found	553
Hongkong—	
Rats examined	189, 335, 370, 416, 443, 674, 716, 761, 1062
Rats infected found	189, 335, 370, 416, 443, 716
Shanghai—Rats examined	85, 189, 216, 335, 370, 416, 553, 822, 1063
Cuba—Habana—Rats examined	263
Ecuador	490

## Plague—Continued.

	Page.
Egypt—	
Alexandria—On vessel.....	19
Summary, 1899-1915.....	925
Foreign reports—	
Cumulative table.....	88, 153, 193, 220, 266, 311, 339, 373, 398, 419, 446, 494, 528, 557, 588, 632, 680, 720, 765, 827, 876, 929, 964, 1004, 1066
Weekly table.....	20, 86, 151, 191, 218, 264, 309, 337, 371, 395, 417, 444, 491, 525, 554, 585, 628, 676, 717, 762, 823, 872, 926, 962, 1001, 1063
Great Britain—	
Bristol—Rats examined.....	150, 217, 416
Hull—	
Rats examined.....	19, 217, 308
Rats infected found.....	584
Liverpool—	
Rats examined.....	150, 217, 263, 336, 761, 1063
Rats infected found.....	524, 761
London—	
On steamship "Sardinia".....	1000
Rats examined.....	336
Rats infected found.....	336
Greece—Athens.....	627
Hawaii—	
Paauhau—Rat infected found.....	990
Paauilo.....	433, 1042
India—	
Bombay—Protection of vessels against access of rats.....	627
Madras—Comparative immunity from—Rat destruction.....	308
Indo-China—January, 1917.....	871
Japan—	
Nagoya—Subsidence.....	394
Yokkaichi—Subsidence.....	394
Louisiana—	
New Orleans—Rats infected found.....	10, 357, 664
Westwego—Rats infected found.....	357
Mauritius.....	584
Peru—	
January 1-February 15, 1917.....	628
February 16-May 15, 1917.....	1000
Year 1916.....	675
Quarantine by Cuba against Azores on account of.....	19
Union of South Africa—	
Koms—New focus of infection.....	217
Orange Free State.....	524, 716, 823
New focus of infection.....	1001
Transvaal.....	416
Uruguay—Montevideo—1901-1915.....	761
Venezuela—Rat destruction—November, 1916.....	264
Washington—Seattle—Rats infected found.....	479
Plague, pneumonic:	
China—Kansu Province.....	85
Egypt—Keneh Province.....	761
Pneumonia—City reports for week ended:	
December 16, 1916.....	10
December 23, 1916.....	74
December 30, 1916.....	141
January 6, 1917.....	177
January 13, 1917.....	206
January 20, 1917.....	251
January 27, 1917.....	299
February 3, 1917.....	327
February 10, 1917.....	357
February 17, 1917.....	384
February 24, 1917.....	408
March 3, 1917.....	434
March 10, 1917.....	479
March 17, 1917.....	514

<b>Pneumonia—City reports for week ended:</b>	<b>Page.</b>
March 24, 1917.....	544
March 31, 1917.....	574
April 7, 1917.....	613
April 14, 1917.....	664
April 21, 1917.....	706
April 28, 1917.....	751
May 5, 1917.....	809
May 12, 1917.....	855
May 19, 1917.....	913
May 26, 1917.....	952
June 2, 1917.....	990
June 9, 1917.....	1042
<b>Poliomylitis:</b>	
Alabama.....	914
Arkansas.....	252, 327, 574
California.....	10, 142, 357, 545, 613, 809
<b>City reports for week ended—</b>	
December 16, 1916.....	11
December 23, 1916.....	76
December 30, 1916.....	142
January 6, 1917.....	178
January 13, 1917.....	208
January 20, 1917.....	252
January 27, 1917.....	300
February 3, 1917.....	327
February 10, 1917.....	358
February 17, 1917.....	384
February 24, 1917.....	409
March 3, 1917.....	434
March 10, 1917.....	480
March 17, 1917.....	514
March 24, 1917.....	545
March 31, 1917.....	574
April 7, 1917.....	613
April 14, 1917.....	665
April 21, 1917.....	706
April 28, 1917.....	752
May 5, 1917.....	809
May 12, 1917.....	856
May 19, 1917.....	915
May 26, 1917.....	952
June 2, 1917.....	991
June 9, 1917.....	1044
Connecticut.....	207, 357, 514, 664, 914
<b>Control—Minimum requirements—Recommended by conference of</b>	
State and provincial boards of health of North America.....	730
<b>In cities—Prevalence during 1916.....</b>	563
<b>In States—Prevalence during 1916.....</b>	840
Indiana.....	76, 251, 384, 545, 664, 856
Iowa.....	10, 207, 384, 514, 664, 856
Kansas.....	76, 178, 514, 613, 856, 1043
Louisiana.....	207, 479, 613, 856, 1043
Maine.....	856, 1043
Maryland.....	142, 357, 434, 574, 809, 991
Massachusetts.....	142, 299, 434, 574, 751, 991
Michigan.....	178, 358, 479, 613, 809, 1043
Minnesota.....	178, 358, 479, 613, 856, 1042
Mississippi.....	10, 207, 358, 514, 664, 1043
Montana.....	300, 914, 1043
New Hampshire.....	991
New Jersey.....	178, 358, 479, 613, 809, 1043
New York.....	251, 664, 809
<b>New Zealand—Wellington health district—Prevalence during 1914—</b>	
1916.....	564
North Dakota.....	251
Ohio.....	251, 384, 952, 1043, 1044

## Polio-myelitis—Continued.

	Page.
Oregon	76, 251
Pennsylvania	856, 1043
Rhode Island	914, 1043
South Carolina	479, 613, 856, 1043
South Dakota	991
United States—Prevalence and geographic distribution during 1916.	1013
Uruguay—Measures against importation	717
Vermont	207, 358, 574, 1043
Waterbury	479
Virginia	76, 251, 384, 545, 751, 914
Washington	251, 384
West Virginia	207, 358, 434, 613, 809, 901
Elkins and Grafton—Winter epidemic	74
Winter outbreak	141, 178, 207
Wisconsin	142, 299, 434, 574, 751, 991
Wyoming	10
Porto Rico—Quarantine against, by Dominican Republic on account of smallpox removed	336
Preble, Paul, passed assistant surgeon—Public health administration—	
With special reference to towns and rural communities	346
Preventable diseases:	
California report for week ended—	
April 21, 1917	711
April 28, 1917	760
May 5, 1917	821
May 12, 1917	869
Massachusetts report for week ended—	
December 23, 1916	15
December 30, 1916	81
January 6, 1917	146
January 13, 1917	185
January 20, 1917	212
January 27, 1917	258
February 3, 1917	304
February 10, 1917	366
February 17, 1917	411
February 24, 1917	412
March 3, 1917	439
March 10, 1917	486
March 17, 1917	520
March 24, 1917	549
March 31, 1917	579
April 7, 1917	623
April 14, 1917	669
April 21, 1917	712
April 28, 1917	760
May 5, 1917	821
Program of public health—For cities—Asst. Surg. Gen. W. C. Rucker	506
Public health administration:	
Piqua, Ohio—Surg. Carroll Fox	974
St. Paul, Minn.—Surg. G. B. Young	41, 99
South Bend, Ind.—Surg. Carroll Fox	776
With special reference to towns and rural communities—Passed Asst. Surg. Paul Preble	346
Public health laws, ordinances, and regulations. (See Sanitary legislation.)	
Public health program—For cities—Asst. Surg. Gen. W. C. Rucker	506
Public Health Service—In time of war—Executive order	773

## Q.

Quarantine regulations, interstate	315
Quarantine requirements—Ports of United States south of Maryland	425
Quarantine stations:	
Established at Queensland, Australia	443
Established at Western Australia, Australia	524

## R.

## Rabies:

City reports for week ended—	Page.
January 13, 1917	208
March 10, 1917	480
March 17, 1917	514
March 31, 1917	575
June 2, 1917	991
Colorado—Denver—Pasteur treatment	252
Virginia	252

## Rabies (in animals):

City reports for week ended—	
December 16, 1916	11
December 23, 1916	76
December 30, 1916	142
January 6, 1917	178
January 13, 1917	208
January 20, 1917	252
January 27, 1917	300
February 3, 1917	327
February 10, 1917	358
February 17, 1917	385
February 24, 1917	409
March 10, 1917	480
March 17, 1917	515
March 24, 1917	545
March 31, 1917	575
April 7, 1917	614
April 14, 1917	665
April 21, 1917	706
April 28, 1917	752
May 5, 1917	809
May 12, 1917	856
May 19, 1917	915
May 26, 1917	952
June 2, 1917	991
June 9, 1917	1044
Oklahoma—Oklmulgee	752, 991
South Carolina—Spartanburg	706
West Virginia	208

Reciprocal notification—Minnesota 175, 352, 476, 608, 849, 1036

Regulations. (*See* Sanitary legislation.)

Regulations, interstate quarantine 315

Relations, interstate sanitary—Asst. Surg. Gen. W. C. Rucker 198

## Rhode Island:

Cerebrospinal meningitis 909, 910, 1037

Diphtheria. (*See* Diphtheria—State reports.)

Measles. (*See* Measles—State reports.)

Poliomyelitis 914, 1043

Scarlet fever. (*See* Scarlet fever—State reports.)

Typhoid fever 918, 919, 1056

## Rocky Mountain spotted fever:

California 327

Palo Alto 810

Colorado 327

Idaho 327

Montana 327, 1044

Notified during May, 1917 1013

Nevada 327

Humboldt County 992

Paradise 810

Oregon 327

Utah 327

Washington 327

Odessa 706, 752

Wyoming 327

Washakie County 856



	Page.
Roth, George B., technical assistant—Activity of wild American digitalis.....	377
Rucker, W. C., assistant surgeon general:	
A program of public health for cities.....	506
Interstate sanitary relations.....	198
Russia—Poland—Typhus fever.....	584

## S.

Sanitary districts, interstate.....	315
Sanitary legislation:	
Appropriations—	
Infant welfare work—Philippine Islands.....	97
Milk dispensaries—Establishment—Philippine Islands.....	97
Public health work—Philippine Islands.....	97
Arkansas—Births and deaths—Registration—Payment of local registrars by counties unconstitutional—Fort Smith district of Sebastian County <i>v.</i> Eberle.....	22
Bacteria, pathogenic—Distribution of cultures—New York.....	96
Births—Registration—Payment of local registrars by counties unconstitutional—Arkansas—Fort Smith district of Sebastian County <i>v.</i> Eberle.....	22
Boards of health. (See Sanitary legislation—Health authorities.)	
Bread boxes—Raising from floor or ground—Maryland.....	166
Bruggeman <i>v.</i> City of York—Pneumonia—Cause—Proof not sufficient—Pennsylvania.....	23
Chicago, City of, <i>v.</i> Chicago & N. W. Ry. Co.—Milk—Temperature during transportation—Responsibility of railroad company—Illinois.....	155
Chicory—Mixed with coffee—Sale—Maryland.....	166
City of York, Bruggeman <i>v.</i> —Pneumonia—Cause—Proof not sufficient—Pennsylvania.....	23
Code, sanitary—Violation—Penalty—New York.....	96
Coffee—Chicory mixed with—Sale—Maryland.....	166
Cold storage—Regulation—Maryland.....	163, 165
Communicable diseases—	
Cultures of pathogenic bacteria—Distribution—New York.....	96
Notification of cases—	
Maryland—	
By physicians.....	160
In hotels, hospitals, institutions, etc.....	160
Recording of reports, etc.....	160
New York—By physicians.....	96
Prevention—Maryland.....	160
Court decisions—	
Births and deaths—Registration—Payment of local registrars by counties unconstitutional—Arkansas—Fort Smith district of Sebastian County <i>v.</i> Eberle.....	22
Milk—	
Protection against typhoid—Submission of dealers to Widal test—New York—People <i>ex rel.</i> Schultz <i>v.</i> Hamilton <i>et al.</i> .....	90
Temperature during transportation—Responsibility of railroad company—Illinois—Chicago <i>v.</i> Chicago & N. W. Ry. Co.....	155
Pneumonia—Cause—Proof not sufficient—Pennsylvania—Bruggeman <i>v.</i> City of York.....	23
Deaths—Registration—Payment of local registrars by counties unconstitutional—Arkansas—Fort Smith district of Sebastian County <i>v.</i> Eberle.....	22
Drugs—Habit-forming—Opium—Importation—Federal statute valid—U. S. C. C. A.—Shepard <i>v.</i> United States.....	94
Eberle, Fort Smith district of Sebastian County <i>v.</i> —Births and deaths—Registration—Payment of local registrars by counties unconstitutional—Arkansas.....	22
Foodstuffs. (See Sanitary legislation—Bread; Cold storage; Meat; Milk.)	

Sanitary legislation—Continued.	Page.
Fort Smith district of Sebastian County <i>v.</i> Eberle—Births and deaths—Registration—Payment of local registrars by counties unconstitutional—Arkansas.....	22
Habit-forming drugs. ( <i>See</i> Sanitary legislation—Opium.)	
Hamilton, Commissioner of Public Safety et al, <i>People ex rel</i> Schultz <i>v.</i> —Milk—Protection against typhoid—Submission of dealers to Widal test—New York.....	90
Health authorities—	
County—Boards of health—	
Meetings, powers, and duties—Maryland.....	162
Montgomery County—Maryland.....	162
Health officers—Appointment—Maryland.....	162
Local—Health officers—Qualifications—Time of taking effect extended—New York.....	96
State—Boards of health—	
Making and enforcement of local regulations—Maryland.....	160
Transfer of powers and duties—State vaccine agency—Maryland.....	162
Health officers. ( <i>See</i> Sanitary legislation—Health authorities.)	
Health regulations—Local—Making and enforcement—Maryland.....	160
Health work, public—Appropriation—Philippine Islands.....	97
Hospitals—Communicable diseases—Notification of cases—Maryland.....	160
Hotels—Communicable diseases—Notification of cases—Maryland.....	160
Illinois—Milk—Temperature during transportation—Responsibility of railroad company—Chicago <i>v.</i> Chicago & N. W. Ry. Co.....	155
Infant welfare work—Appropriation—Philippine Islands.....	97
Institutions—Communicable diseases—Notification of cases—Maryland.....	160
Maryland.....	160
Montgomery County—Health authorities.....	162
Meat—Live animals—	
Inspection—Maryland.....	163
Unwholesome—Condemnation—Maryland.....	163
Milk—	
Dispensaries—Establishment—Appropriation—Philippine Islands.....	97
Protection against typhoid—Submission of dealers to Widal test—New York— <i>People ex rel. Schultz v. Hamilton et al.</i> .....	90
Temperature during transportation—Responsibility of railroad company—Illinois—Chicago <i>v.</i> Chicago & N. W. Ry. Co.....	155
Milk and milk products—Production, care, and sale—San Francisco, Cal.....	25
Morbidity reports—Communicable diseases—	
Maryland—	
By physicians.....	160
In hotels, hospitals, institutions, etc.....	160
Recording of reports, etc.....	160
New York—By physicians.....	96
New York.....	96
Milk—Protection against typhoid—Submission of dealers to Widal test— <i>People ex rel. Schultz v. Hamilton et al.</i> .....	90
Opium—Importation—Federal statute valid—U. S. C. C. A.— <i>Shepard v. United States</i> .....	94
Pathogenic bacteria—Distribution of cultures—New York.....	96
Pennsylvania—Pneumonia—Cause—Proof not sufficient—Bruggeman <i>v.</i> City of York.....	23
<i>People ex rel. Schultz v. Hamilton et al.</i> —Milk—Protection against typhoid—Submission of dealers to Widal test—New York.....	90
Philippine Islands.....	97
Pneumonia—Cause—Proof not sufficient—Pennsylvania—Bruggeman <i>v.</i> City of York.....	23
Public health work—Appropriation—Philippine Islands.....	97
Regulations, health. ( <i>See</i> Sanitary legislation—Health regulations). San Francisco, Cal.....	25
Sanitary code—Violation—Penalty—New York.....	96
<i>Shepard v. United States</i> —Opium—Importation—Federal statute valid—U. S. C. C. A.....	94

## INDEX.

XXV

	Page.
Sanitary legislation—Continued.	
United States—Circuit Court of Appeals—Opium—Importation—Federal statute valid—Shepard <i>v.</i> United States	94
United States, Shepard <i>v.</i> —Opium—Importation—Federal statute valid—U. S. C. C. A.	94
Vaccine agency—State—Powers and duties—Transfer to State board of health—Maryland	162
York, City of, Bruggeman <i>v.</i> —Pneumonia—Cause—Proof not sufficient—Pennsylvania	23
Sanitary relations, interstate—Asst. Surg. Gen. W. C. Rucker	198
Scarlet fever	435
City reports for week ended—	
December 16, 1916	15
December 23, 1916	82
December 30, 1916	147
January 6, 1917	186
January 13, 1917	212
January 20, 1917	259
January 27, 1917	304
February 3, 1917	331
February 10, 1917	367
February 17, 1917	391
February 24, 1917	412
March 3, 1917	439
March 10, 1917	486
March 17, 1917	521
March 24, 1917	550
March 31, 1917	580
April 7, 1917	624
April 14, 1917	670
April 21, 1917	713
April 28, 1917	756
May 5, 1917	818
May 12, 1917	866
May 19, 1917	921
May 26, 1917	957
June 2, 1917	996
June 9, 1917	1058
In cities of over 100,000—Prevalence during 1916	729
In States—Prevalence during 1916	973
State reports for—	
September, 1916	82
October, 1916	82, 259
November, 1916	15, 82, 259
December, 1916	146, 186, 212, 259, 304, 331
January, 1917	304, 366, 391, 412, 579, 712, 921
February, 1917	439, 486, 520, 549, 579, 712, 921, 1058
March, 1917	579, 624, 670, 712, 756, 866, 920, 1058
April, 1917	756, 817, 866, 920, 957
May, 1917	996, 1058
Unusually prevalent	101
Wyoming—Cheyenne	856
Schereschewsky, J. W., surgeon—Maintenance of health in industries—Its relation to the adequate production of war materials	835
Schroeder, M. C.—Laundries and the public health—A sanitary study, including bacteriologic tests	225
Serums. ( <i>See</i> Biological products.)	
Siam:	
Bangkok—Quarantine against Hongkong, China, on account of smallpox removed	926
Quarantine against Hongkong on account of smallpox	308
Smallpox:	
Alabama	916
Arkansas	254, 328, 576, 916, 917, 954
California	300, 359, 546, 615, 811
San Francisco quarantine	665
Ceylon—Mortality, 1915 and 1916	925

## Smallpox—Continued.

	Page.
City reports for week ended—	
December 16, 1916.....	12
December 23, 1916.....	78
December 30, 1916.....	144
January 6, 1917.....	182
January 13, 1917.....	209
January 20, 1917.....	255
January 27, 1917.....	301
February 3, 1917.....	329
February 10, 1917.....	362
February 17, 1917.....	388
February 24, 1917.....	410
March 3, 1917.....	436
March 10, 1917.....	483
March 17, 1917.....	518
March 24, 1917.....	547
March 31, 1917.....	576
April 7, 1917.....	620
April 14, 1917.....	667
April 21, 1917.....	709
April 28, 1917.....	754
May 5, 1917.....	813
May 12, 1917.....	862
May 19, 1917.....	917
May 26, 1917.....	955
June 2, 1917.....	993
June 9, 1917.....	1052
Colorado.....	209, 387, 619, 709, 917
Connecticut.....	11, 77, 143, 179, 208, 209, 253, 300, 328, 361, 385, 409, 435, 515, 517, 575, 614, 666, 707, 810, 915, 917, 953
Cuba—Habana—From vessels.....	189
District of Columbia.....	753, 992
Foreign reports—	
Cumulative table.....	88, 153, 194, 221, 267, 312, 340, 374, 399, 421, 447, 495, 529, 558, 589, 633, 681, 722, 768, 829, 878, 932, 967, 1007, 1069
Weekly table.....	21, 86, 151, 191, 218, 264, 309, 337, 371, 396, 417, 444, 491, 526, 554, 585, 629, 677, 717, 762, 824, 873, 927, 962, 1001, 1063
Hawaii.....	301
Idaho.....	78
Illinois—	
Alexander County.....	208
Cairo.....	515, 545, 575, 614, 707, 915
India—Madras—1901-1912 and 1915-1916.....	822
Indiana.....	78, 254, 387, 547, 666, 860
Indo-China—January, 1917.....	871
Iowa.....	12, 209, 387, 517, 666, 861
Kansas.....	385, 516, 615, 858, 1045
Louisiana.....	209, 361, 483, 619, 861, 1052
Maine.....	861, 1052
Maryland.....	436, 575, 811, 992
Massachusetts.....	301, 436, 575, 753, 992
Fitchburg.....	857
Worcester.....	409, 480, 545, 665, 729, 857, 939
Virulent smallpox.....	752
Michigan.....	359, 481, 616, 811, 1046
Minnesota.....	11, 77, 143, 179, 208, 253, 300, 328, 359, 390, 385, 409, 435, 480, 482, 515, 545, 575, 614, 617, 665, 707, 752, 810, 857, 859, 915, 953, 992, 1045, 1048
Duluth—Virulent type.....	973, 992
Mississippi.....	12, 209, 362, 517, 666, 861, 1052
Montana.....	301, 708, 916, 1049
New Hampshire.....	993

## Smallpox—Continued.

	Pago.
New Jersey	182, 362, 619, 1052
Burlington County—Correction	1045
New York	666, 812
North Carolina—Edgecombe County	857, 915
North Dakota	12, 254, 387, 517, 666, 861
Ohio	253, 254, 386, 953, 1049, 1050
Cleveland	665
Springfield	435, 546
Toledo—Correction	546
Oklahoma—	
Kusa	707
Okmulgee County Jail	435, 546
Oregon	78, 254, 410, 576, 709
Astoria	614, 575, 753, 810, 953
Pennsylvania	861, 1052
Philadelphia	857
Quarantine by Bangkok, Siam, against Hongkong, China, on account of, removed	926
Quarantine by Dominican Republic against Porto Rico on account of, removed	336
Quarantine by Siam against Hongkong on account of	308
South Carolina	209, 362, 483, 619, 861, 1052
South Dakota	861, 993
Tennessee—Memphis	179, 515
Texas	301
Austin—Virulent type	639
El Paso	11
Galveston	385, 409, 435, 480, 515, 546, 614, 665, 707, 857
Hill County	515
Waco—Virulent smallpox	77, 179, 253
United States—Prevalence	688
Vaccination history—	
California	12, 143, 359, 546, 615, 811
District of Columbia	753, 992
Kansas	77, 179, 385, 516, 615, 858, 1045
Maryland	436, 619, 811, 992
Massachusetts	143, 436, 575, 753, 992
Michigan	180, 359, 481, 616, 811, 1046
Minnesota	181, 360, 482, 617, 858, 1048
Montana	708, 916, 1049
New York	812
Ohio	253, 386, 953, 1049, 1050, 1051
Vermont	992
West Virginia	436, 619
Vermont	576, 813, 992
Virginia	78, 254, 387, 547, 753, 917
Washington	254, 387, 517, 862, 954
West Virginia	209, 362, 436, 619, 813, 993
Wisconsin	143, 301, 436, 576, 753, 993
Wyoming	12, 387, 483, 666
South Carolina:	
Cerebrospinal meningitis	203, 353, 477, 609, 851, 1037
Diphtheria. (See Diphtheria—State reports.)	
Malaria	205, 355, 611, 853, 1040
Measles. (See Measles—State reports.)	
Pellagra	206, 356, 478, 612, 855, 1041
Pollomyelitis	479, 613, 856
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox	209, 362, 483, 619, 861, 1052
Spartanburg—Rabies in animals	706
Typhoid fever	210, 365, 485, 622, 864, 1043, 1056
South Dakota:	
Cerebrospinal meningitis	806, 851, 988
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	

South Dakota—Continued.	Page.
Polionmyelitis .....	991
Scarlet fever. ( <i>See</i> Scarlet fever—State reports.)	
Smallpox .....	861, 993
Typhoid fever .....	995, 864
Southerland, S. G.—Laundries and the public health—A sanitary study including bacteriologic tests .....	225
Standard morbidity tables—Significance to public-health administration .....	773
State and insular health authorities—Directory for 1917 .....	1020
State laws and regulations. ( <i>See</i> Sanitary legislation.)	
Streams—Pollution—Control—International Joint Commission and pollution of boundary waters—Prof. Earle B. Phelps .....	187

## T.

Tables, life—United States—Their purpose and what they show—James W. Glover .....	1
Tables, standard morbidity—Significance to public-health administration .....	773
Tennessee—Memphis—Smallpox .....	179, 515
Tetanus:	
City reports for week ended—	
December 16, 1916 .....	13
December 23, 1916 .....	78
December 30, 1916 .....	144
January 6, 1917 .....	183
January 13, 1917 .....	209
January 20, 1917 .....	255
January 27, 1917 .....	301
February 3, 1917 .....	329
February 10, 1917 .....	362
February 17, 1917 .....	388
February 24, 1917 .....	410
March 3, 1917 .....	437
March 10, 1917 .....	483
March 17, 1917 .....	518
March 24, 1917 .....	547
March 31, 1917 .....	576
April 7, 1917 .....	620
April 14, 1917 .....	667
April 21, 1917 .....	709
April 28, 1917 .....	754
May 5, 1917 .....	813
May 12, 1917 .....	862
May 19, 1917 .....	918
May 26, 1917 .....	955
June 2, 1917 .....	993
June 9, 1917 .....	1053
Venezuela—1905-1915 .....	263
Texas:	
Austin—	
Typhus fever .....	549, 1058
Virulent smallpox .....	639
El Paso—	
Smallpox .....	11
Typhus fever .....	14, 81, 185, 212, 258, 303, 331, 411, 520, 549, 756, 817
Measures against introduction .....	197
Galveston—	
Cerebrospinal meningitis .....	660, 949
Smallpox .....	385, 409, 435, 480, 515, 546, 614, 665, 707, 857
Hill County—	
Measles .....	383
Smallpox .....	515
Laredo—Typhus fever .....	258, 330
Smallpox .....	301
Typhus fever .....	211, 390, 411, 438, 485, 549, 578, 623, 669, 711, 865, 1057
Waco—Virulent smallpox .....	77, 179, 253



	Page.
Thermometers, clinical—Rack and disinfecter for—Convenient portable apparatus—Pharmacist B. E. Holsendorf	403
Toxins. ( <i>See</i> Biological products.)	
Trask, John W., assistant surgeon general—Climate and tuberculosis—Relation of climate to recovery	318
Tuberculosis—City reports for week ended—	
December 16, 1916	15
December 23, 1916	82
December 30, 1916	147
January 6, 1917	186
January 13, 1917	212
January 20, 1917	259
January 27, 1917	304
February 3, 1917	331
February 10, 1917	367
February 17, 1917	391
February 24, 1917	412
March 3, 1917	439
March 10, 1917	486
March 17, 1917	521
March 24, 1917	550
March 31, 1917	580
April 7, 1917	624
April 14, 1917	670
April 21, 1917	713
April 28, 1917	756
May 5, 1917	818
May 12, 1917	866
May 19, 1917	921
May 26, 1917	957
June 2, 1917	996
June 9, 1917	1058
Tuberculosis and climate—Relation of climate to recovery—Asst. Surg. Gen. John W. Trask	318
Typhoid fever:	
Alabama	918
Arkansas	257, 330, 578, 919, 955
California	13, 144, 363, 548, 620, 815
Infection from polluted oysters	329
City reports for week ended—	
December 16, 1916	14
December 23, 1916	81
December 30, 1916	146
January 6, 1917	184
January 13, 1917	211
January 20, 1917	258
January 27, 1917	303
February 3, 1917	330
February 10, 1917	365
February 17, 1917	390
February 24, 1917	411
March 3, 1917	438
March 10, 1917	485
March 17, 1917	519
March 24, 1917	548
March 31, 1917	578
April 7, 1917	623
April 14, 1917	669
April 21, 1917	710
April 28, 1917	755
May 5, 1917	817
May 12, 1917	865
May 19, 1917	920
May 26, 1917	956
June 2, 1917	995
June 9, 1917	1057

Typhoid fever—Continued.		Page.
Colorado	-----	955
Colorado Springs—Milk-borne infection	-----	518
Connecticut	-----	210, 363, 518, 668, 918
Cyprus—1910-1915	-----	335
District of Columbia	-----	183, 302, 437, 577, 754, 994
Hawaii	-----	302, 303, 410, 518, 710
Idaho	-----	80
Indiana	-----	79, 255, 388, 548, 668, 863
Kansas	-----	79, 183, 388, 518, 620, 863, 1053
Louisiana	-----	210, 363, 484, 621, 863, 1053
Maine	-----	863, 1053
Maryland	-----	144, 363, 437, 577, 815, 994
Massachusetts	-----	145, 302, 437, 577, 754, 994
Gardner	-----	709
Michigan	-----	183, 364, 484, 621, 815, 1053
Minnesota	-----	184, 364, 484, 622, 863, 1054
Mississippi	-----	13, 210, 364, 519, 668, 864, 1054
Missouri—St. Louis—Milk-borne epidemic	-----	813
Montana	-----	302, 710, 918, 919, 1055
Nevada	-----	918
New Hampshire	-----	995
New Jersey	-----	184, 365, 484, 622, 816, 1055
New York	-----	255, 668, 816
Utica	-----	329
North Dakota	-----	14, 256, 389, 519, 668, 864
Ohio	-----	256, 389, 956, 1055, 1056
Oregon	-----	80, 256, 257, 410, 578, 710
Pennsylvania	-----	864, 1055
Prevalence—		
In cities during 1916	-----	535
In States during 1916	-----	775
Rhode Island	-----	918, 919, 1056
South Carolina	-----	210, 365, 485, 622, 864, 1056
South Dakota	-----	864, 995
Vermont	-----	210, 365, 437, 577, 816, 995
Virginia	-----	79, 256, 389, 548, 755, 918
Washington	-----	257, 390, 519, 865, 956
West Virginia	-----	210, 365, 437, 622, 816, 995
Charleston	-----	994
Wisconsin	-----	145, 302, 438, 577, 755, 995
Wyoming	-----	14, 211, 390, 485, 668
Typhoid fever and municipal administration—Epidemiologist A. W. Freeman	-----	642
Typhus fever:		
California—		
Clovis	-----	185
Los Banos	-----	996
Colorado—		
La Junta	-----	185
Trinidad	-----	185
Egypt—		
Alexandria—January-April, 1917	-----	926
Years 1911-1915	-----	925
Foreign reports—		
Cumulative table	-----	88, 154, 194, 222, 268, 313, 342, 375, 401, 423, 449, 498, 532, 561, 592, 636, 685, 726, 771, 832, 881, 935, 970, 1010, 1072
Weekly table	-----	21, 87, 152, 192, 219, 265, 310, 338, 371, 396, 418, 444, 492, 526, 555, 586, 630, 677, 718, 763, 824, 874, 927, 962, 1002, 1064
Immunization against—Report of unsuccessful attempt to immunize monkeys—Surg. G. W. McCoy and Passed Asst. Surg. M. H. Neill	-----	841
Italy—Corato	-----	627
Mexico—		
Aguascalientes—Disease decreasing	-----	553
Durango	-----	394
New York—New York City	-----	15, 185, 669, 817

**Typhus fever—Continued.**

Preventive measures—	Page.
Instructions to surgeons of Chicago, Rock Island & Pacific Rail- way Co.....	345
On the Mexican border—Senior Surg. C. C. Pierce.....	426
Russia—Poland.....	584
Texas..... 211, 390, 411, 438, 485, 549, 578, 623, 669, 711, 865,	1057
Austin.....	549, 1058
El Paso..... 14, 81, 185, 212, 258, 303, 331, 411, 520, 549, 756,	817
Measures against introduction.....	197
Laredo.....	258, 330

**U.**

Union of South Africa:	
Koms—Plague—New focus of infection.....	217
Orange Free State—Plague.....	524, 716, 823
New focus of infection.....	1001
Transvaal—Plague.....	416
United States:	
New life tables—Their purpose and what they show—James W. Glover.....	1
Polioomyelitis—Prevalence and geographic distribution during 1916..	1013
Ports south of Maryland—Quarantine requirements.....	425
Smallpox—Prevalence.....	688
United States Public Health Service—In time of war—Executive order..	773
Uruguay:	
Montevideo—Plague—1901-1915.....	761
Polioomyelitis—Measures against importation.....	717
Utah—Rocky Mountain spotted fever.....	327

**V.**

Vaccine virus—Should always be kept on ice.....	687
Venezuela:	
Mortality—April, 1916.....	263
Plague—Rat destruction—November, 1916.....	264
Tetanus—1905-1915.....	263
Vermont:	
Cerebrospinal meningitis.....	571
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
Polioomyelitis.....	207, 358, 574, 1043
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox.....	576, 813, 992
Vaccination history.....	992
Typhoid fever.....	210, 365, 437, 577, 816, 995
Vessels of allied nations—Preferential treatment at Cuban ports.....	674
Virginia:	
Cerebrospinal meningitis.....	72, 247, 381, 541, 747, 909
Diphtheria. (See Diphtheria—State reports.)	
Malaria.....	248, 382, 542, 749, 911
Measles. (See Measles—State reports.)	
Middlesex County—Cerebrospinal meningitis.....	476
Pellagra.....	74, 250, 383, 544, 750, 912
Polioomyelitis.....	76, 251, 384, 545, 751, 914
Rabies.....	252
Scarlet fever. (See Scarlet fever—State reports.)	
Smallpox.....	78, 254, 387, 547, 753, 917
Typhoid fever.....	79, 256, 389, 548, 755, 918
Virus, vaccine—Should always be kept on ice.....	687
Viruses. (See Biological products.)	

**W.**

Washington:	
Cerebrospinal meningitis.....	851, 949
Diphtheria. (See Diphtheria—State reports.)	
Measles. (See Measles—State reports.)	
Odessa—Rocky Mountain spotted fever.....	706, 752

	Page.
Washington—Continued.	
Poliomyelitis.....	251, 384
Rocky Mountain spotted fever.....	327
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Seattle—	
Measles.....	250, 298, 356, 383, 408, 433, 478, 544, 612, 663, 705, 750, 808, 854
Plague—Rats infected found.....	479
Smallpox.....	254, 387, 517, 862, 954
Typhoid fever.....	257, 390, 519, 865, 956
Waterman, Jason, assistant editor—Digest of court decisions.....	453
West Virginia:	
Anthrax.....	203
Cerebrospinal meningitis.....	203, 353, 431, 609, 806, 988
Charleston—Typhoid fever.....	994
Diphtheria. ( <i>See</i> Diphtheria—State reports).	
Elkins and Grafton—Poliomyelitis—Winter epidemic.....	74
Measles. ( <i>See</i> Measles—State reports).	
Pellagra.....	206, 356, 990
Poliomyelitis.....	207, 358, 434, 613, 809, 991
Winter outbreak.....	141, 178, 207
Rabies (in animals).....	208
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Smallpox.....	209, 362, 436, 619, 813, 993
Vaccination history.....	436, 619
Typhoid fever.....	210, 365, 437, 622, 816, 995
Whittaker, H. A.—Drinking fountains—Investigation of fountains at University of Minnesota.....	691
Wisconsin:	
Cerebrospinal meningitis.....	139, 297, 431, 571, 747, 988
Diphtheria. ( <i>See</i> Diphtheria—State reports).	
Measles. ( <i>See</i> Measles—State reports).	
Milwaukee—Leprosy.....	354
Poliomyelitis.....	142, 299, 434, 574, 751, 991
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Smallpox.....	143, 301, 436, 576, 753, 993
Typhoid fever.....	145, 302, 438, 577, 755, 995
Wynne, Shirley W., M. D.—Occupation and mortality—Their relation as indicated by mortality returns in New York City for 1914.....	885
Wyoming:	
Cerebrospinal meningitis.....	477
Cheyenne—Scarlet fever.....	856
Diphtheria. ( <i>See</i> Diphtheria—State reports).	
Measles. ( <i>See</i> Measles—State reports).	
Poliomyelitis.....	10
Rocky Mountain spotted fever.....	327
Scarlet fever. ( <i>See</i> Scarlet fever—State reports).	
Smallpox.....	12, 387, 483, 666
Typhoid fever.....	14, 211, 390, 485, 668
Washakie County—Rocky Mountain spotted fever.....	856

## Y.

Yellow fever:	
Brazil—	
Pernambuco.....	1062
Victoria.....	216, 394
Ecuador.....	490
Foreign reports—	
Cumulative table.....	223, 269, 314, 343, 376, 402, 424, 451, 499, 533, 562, 593, 637, 686, 727, 772, 834, 883, 937, 972, 1012, 1074
Weekly table.....	192, 219, 265, 396, 492, 555, 1064
Quarantine by Cuba against State of Vera Cruz, Mexico, and Martinique on account of, removed.....	524
Young, G. B., surgeon—Public health administration—St. Paul, Minn.....	41, 99

